ANDELI GROUP CO.,LTD.

Add: NO.208, Weiqi Road, Yueqing Economic Development Zone,
YueQing, Zhejiang, China.
Tel: 0577-61722222 61722773
Fax: 0577-61722819
Http://www.andeli.cn
E-mail:gl@andeli.cn

ANDELI

ENERGY METER

Products Catalogue

ANDELI GROUP CO.,LTD.

Brief Introduction

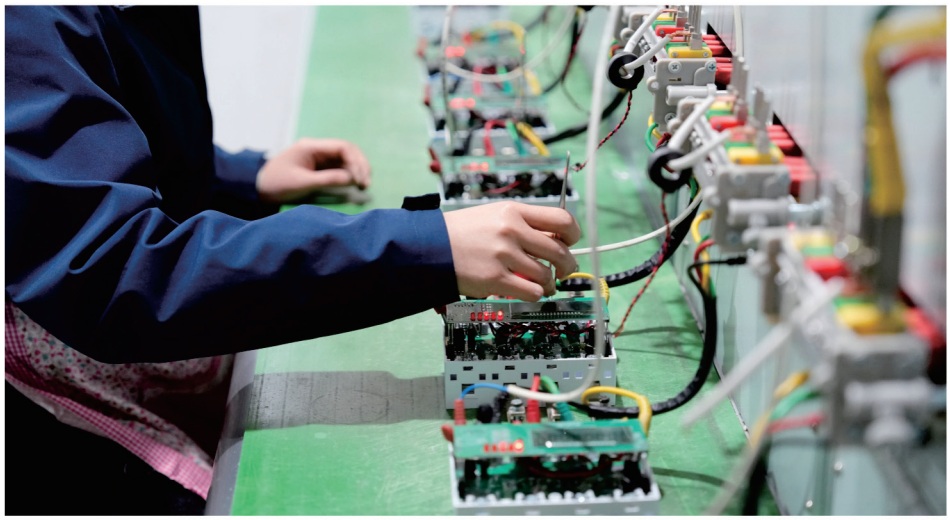
Andeli Group is a professional manufacturer integrating R&D, production, sales, and service, with electrical industry as its core business.

Andeli interprets its brand through the principles of “Safety, Virtue, and Mutual Benefit.” The company has been honored with multiple awards, including China's Electrical Industry Top 10 Growth Enterprises, National User Satisfaction Enterprise, National High-Tech Enterprise, National Green Factory (MIIT), National "Little Giant" Specialized and Sophisticated Enterprise (MIIT), National Green Supply Chain Management Enterprise (MIIT), Provincial Famous Trademark, Provincial Export Brand Product, Provincial Contract & Creditworthiness AAA Enterprise, Provincial Smart Factory, Provincial Enterprise R&D Center, Provincial Enterprise Research Institute, Zhejiang Made, Bank Credit AAA Enterprise, Tax Credit A-Class Enterprise, and Wenzhou Leading Industrial Enterprise.

Andeli Group is committed to becoming "an outstanding brand in China's electrical industry." The company has obtained ISO9001, ISO14001, ISO45001, and ISO50001 energy management system certifications. It has partnered with Southeast University, Hangzhou Dianzi University, Zhejiang University, and other institutions, and has established an R&D base in Shanghai. The group currently holds 39 invention patents, 83 utility model patents, and 38 software copyrights. Its products have received certifications from China CQC, European CE, German TÜV, Dutch KEMA, Swedish SEMKO, CB, and many other international authorities.

With the mission of "providing customers with satisfactory power products and solutions," Andeli Group primarily develops and manufactures power transmission and distribution complete equipment, power transformers, low-voltage electrical components, instruments and meters, welding equipment, and new energy products. These products are widely used in State Grid, China Southern Power Grid, Inner Mongolia Power Grid, rail transportation, commercial and residential construction, energy and chemical industries, metal smelting, power quality management, and many other sectors. Andeli actively pursues a global strategy, having established branches in the UAE, Russia, Brazil, Pakistan, Thailand, Saudi Arabia, and other countries, with products exported to over 100 countries and regions worldwide.

The people of Andeli, guided by the principle of "being honest and doing things seriously," sincerely look forward to working with outstanding talents from all fields to create a better future together.



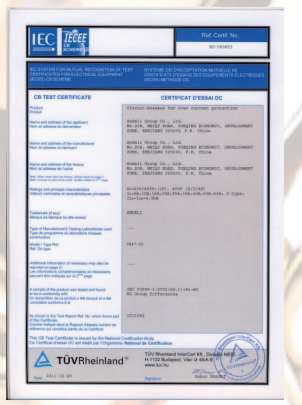
MANUFACTURE

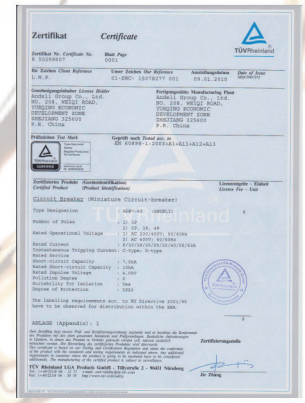
We have multiple intelligent production lines, have the capacity of large-scale customized production, and accurately focus on the personalized needs of customers. We cooperate with Southeast University, Hangzhou University of Electronic Science and Technology, Zhejiang University and other universities, rely on science and technology to provide you with dependable products and services.

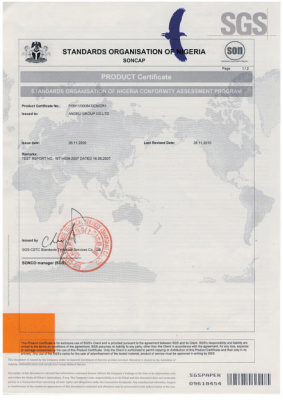
Honor and qualification

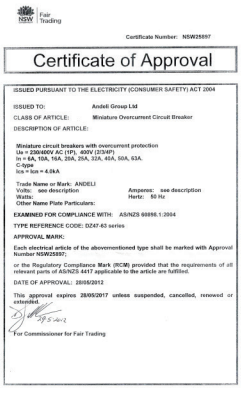
We have multiple intelligent production lines, have the capacity of large-scale customized production, and accurately focus on the personalized needs of customers. We cooperate with Southeast University, Hangzhou University of Electronic Science and Technology, Zhejiang University and other universities, rely on science and technology to provide you with dependable products and services.

Brand Innovation Technical Service



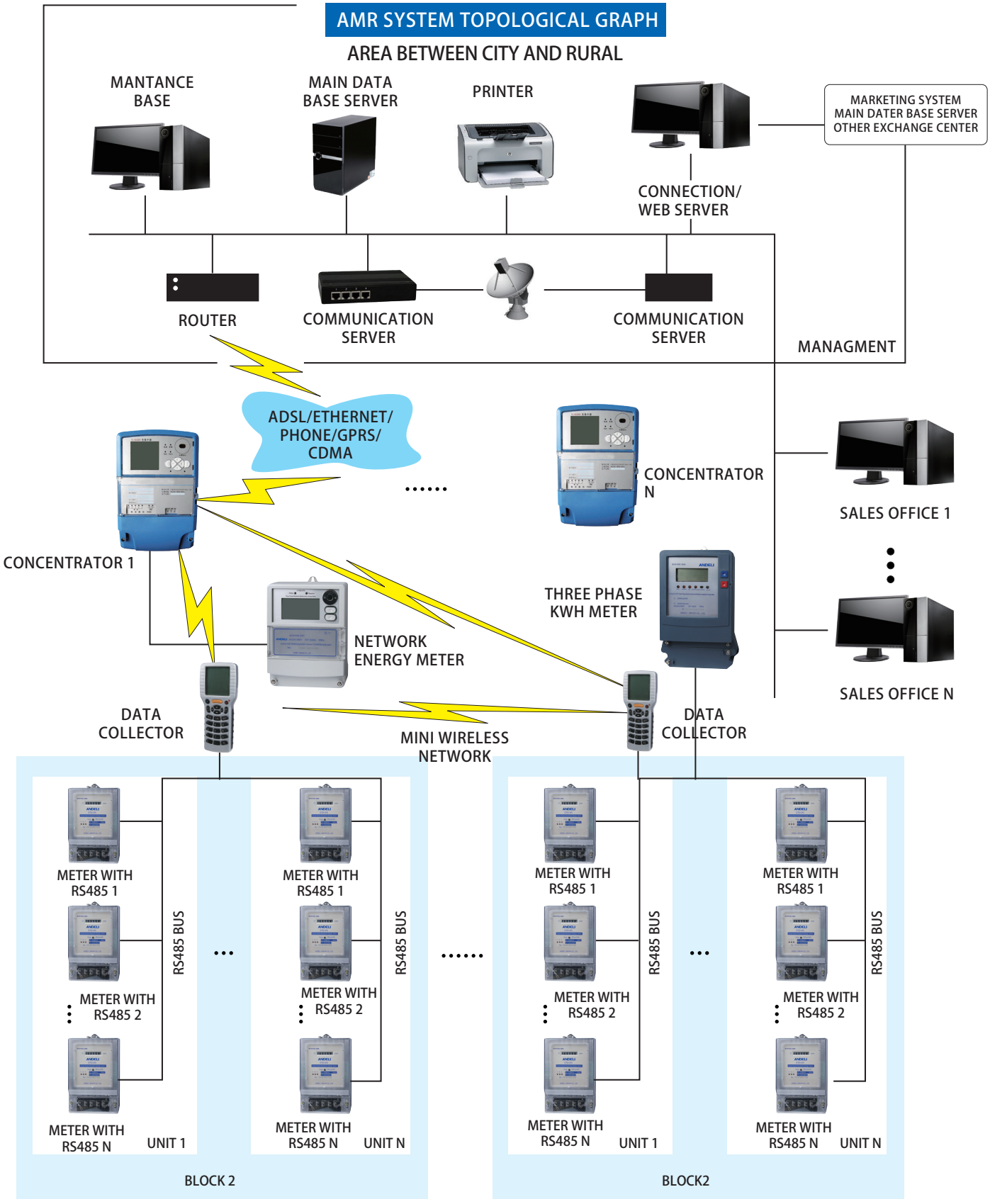






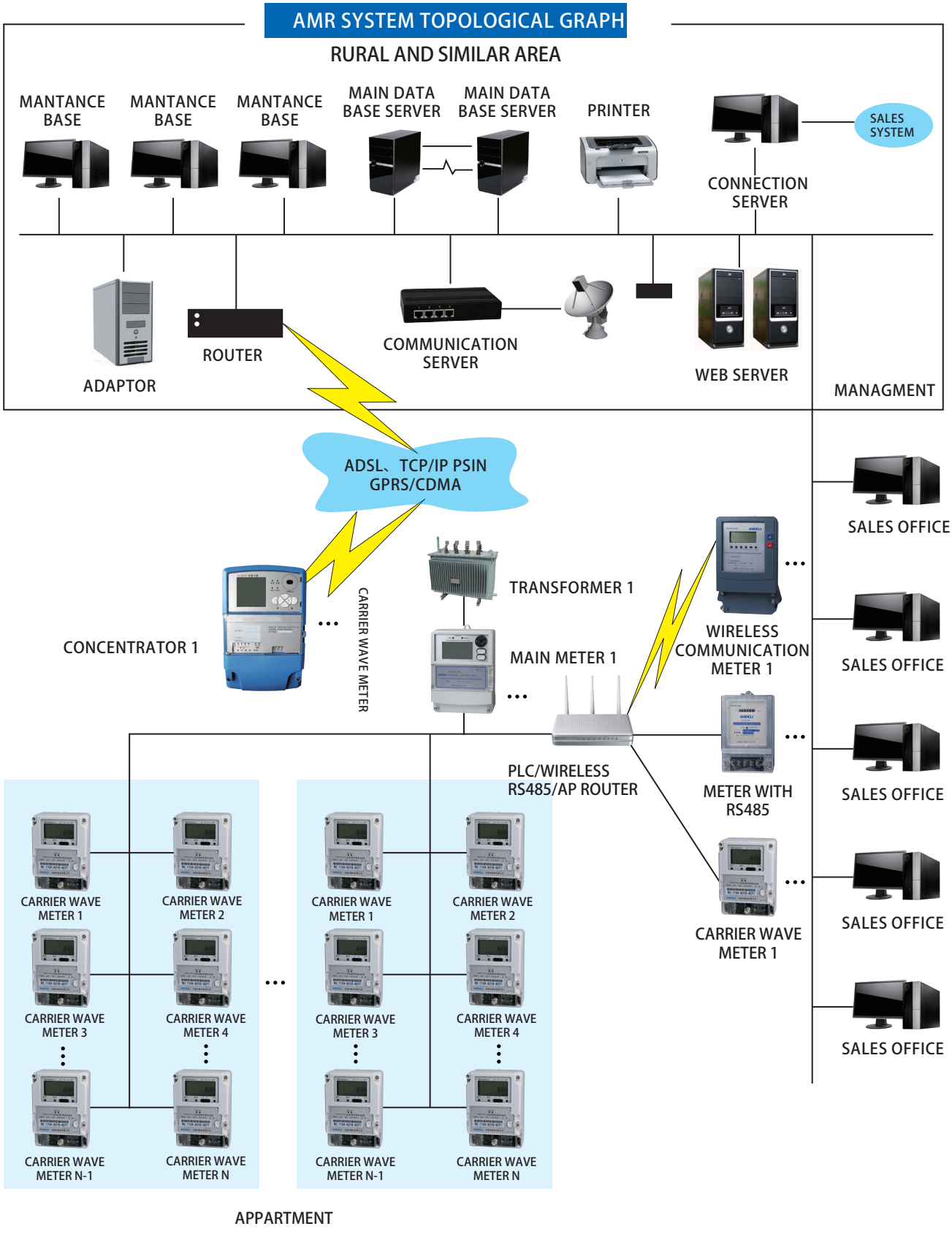
AMR SYSTEM BASED ON RS485 COMMUNICATION

Data collection equipment including wireless collection,wireless adoptor to read RS485 meter



MULTI-AMR SYSTEM MAINLY WORKING WITH CARRYING WAVE SYSTEM

AMR system equipment including carrying wave adopter,transformer,meter work with carring wave,RS485 and meter reader.



ANDELI

CONTENT

ADM25S

Single Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM25S single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has completely its independent intellectual property rights and minimum size, and also a new single phase two wire active energy meter. It has already passed the test of the international authority KEMA. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net., it can display total energy consumption by step type impulse register. it has following features: Good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

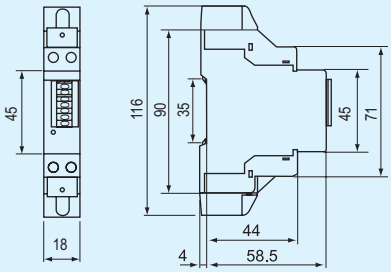
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022.
- Single pole width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 6+1 digits display (999999.1kWh) by step and machinery counter. May select 5+1 digits display (99999.1kWh).
- Standard configuration Impulse output with no power (polarity), May select distant impulse output with no power (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Automatic Detection the direction of the trend of load current. And Instructions (Only red power impulse signal when working, If no green power, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two type you may select. Standard configuration type S connection, may select type U connection.
- Extended terminals cover, in order to protect to use electricity safely.

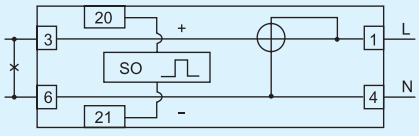
Technical parameters

Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Starting Current (A)	Insulation Performance
ADM25S	1级 2级	220V 120V	5(20)A, 5(25)A, 5(30)A, 5(32)A	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line
20and21	Port of pulse output passive

ADM25SC

Single Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM25SC single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has completely its independent intellectual property rights and minimum size, and also a new single phase two wire active energy meter. It has already passed the test of the international authority KEMA. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in internaltional standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net. This meter has white backlight source eight digits LCD monitors shows the active energy power consumption. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

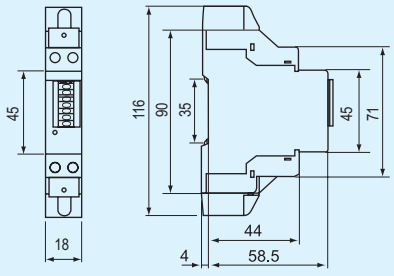
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022.
- Single pole width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 7+1 digits display (9999999.1kWh) by white backlight source LCD. May select7+1 digits display (999999.1kWh) without backlight source normal LCD. (product Configuration code is SE).
- Standard configuration pulse output with no power (polarity), May select distant impulse output with no power (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Automatic Detection the direction of the trend of load current. And Instructions on LCD (when display HELP 1on LCD, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two type you may select. Standard configuration type S connection, may select type U connection.
- Extended terminals cover, in order to protect to use electricity safely.

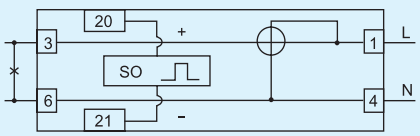
Technical parameters

Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Starting Current (A)	Insulation Performance
ADM25SC	1级 2级	220V 120V	5(20)A, 5(25)A, 5(30)A, 5(32)A	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



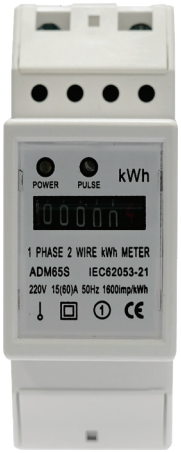
Wiring diagram



Terminal	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line
20and21	Port of pulse output passive

ADM65S

Single Phase Electronic Din-Rail Active Energy Meter



Application

Model ADM65S single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has completely its independent intellectual property rights and minimum size, and also a new single phase two wire active energy meter. It has already passed the test of the international authority KEMA. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it can display total energy consumption by step type impulse register. it has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

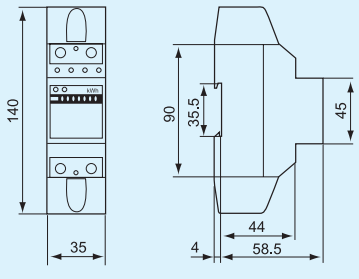
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Bipolar width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 6+1 digits display (999999.1kWh) by step and machinery counter, May select 5+1
- digits display (99999.1kWh).
- Standard configuration Impulse output with no power (polarity), May select distant impulse output with no power (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Automatic Detection the direction of the trend of load curren, And Instructions (Only red power impulse singal when working, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two type you may select. Standard configuration type S connection. May select type U connection.
- Extended terminals cover, in order to protect to use electricity safely.

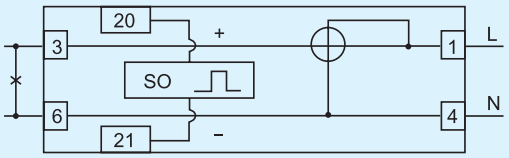
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM65S	Class 1	127 or 230	5(32) 10(50) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 min-ute, 1.2/50us wave form impulse voltage 6kV

Outer and mount dimension



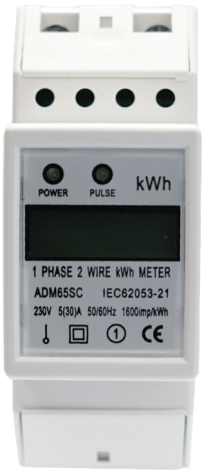
Wiring diagram



Terminal	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line(Inlet from top, outlet from bottom)
20 and 21	Port of pulse output passive

ADM65SC

Single Phase Electronic Din-Rail Active Energy Meter



Application

Model ADM65SC single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has completely its independent intellectual property rights and minimum size, and also a new single phase two wire active energy meter. It has already passed the test of the international authority KEMA. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net. This meter has white backlight source eight digits LCD monitors shows the active energy power consumption. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

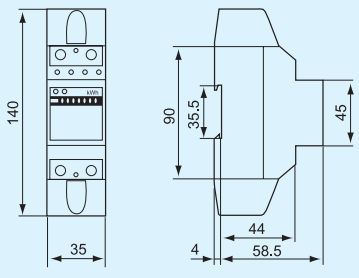
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Bipolar width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 7+1 digits display (9999999.1kWh) by white backlight source LCD. May select7+1
- digits display (999999.1kWh) without backlight source normal LCD. (Product Configuration code is SH).
- Standard configuration pulse output with no power (polarity), May select distant impulse output with no power (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Automatic Detection the direction of the trend of load current. And Instructions on LCD (when display HELP 1on LCD, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two type you may select. Standard configuration type S connection, may select type U connection.
- Extended terminals cover, in order to protect to use electricity safely.

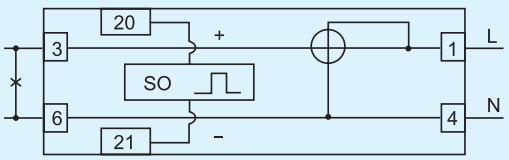
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM65S	Class 1	127 or 230	5(32) 10(50) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 min-ute, 1.2/50us wave form impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line(Inlet from top, outlet from bottom)
20 and 21	Port of pulse output passive

ADM100S

Single Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100S single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it can display total energy consumption by step type impulse register. it has following features: Good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

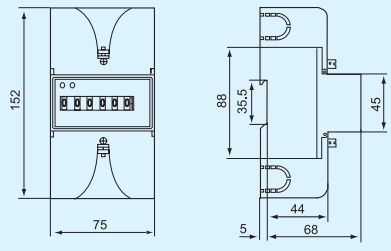
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Standard configuration 5+1 digits display (99999.1kWh) by step motor and pulse machinery counter. May select 6+1 digits display (Product Configuration code is SC).
- Standard configuration one port of pulse output passive (polarity), May select increase a distant port of pulse output passive (no polarity), (Product Configuration code is AJ). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Standard configuration don挟 detect direction of the trend of load current. May select Automatic Detecting the direction of the trend of load current. And instructions (Only red power pulse signal when working, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two types you may select. Standard configuration type S connection, may select type T connection (Product Configuration code is TH).
- Standard configuration extended terminals cover, in order to protect to use electricity safely, may select short terminals cover. (Product Configuration code is AG).

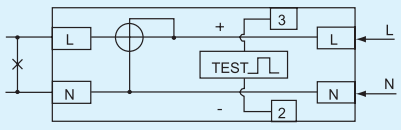
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100S	Class 1 Class 2	220V 120V	2.5(10), 3(15), 5(20), 10(30), 15(90),20(100), 5(40),5(100),	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
L	Phase line (Inlet from bottom, outlet from top)
N	Neutral line (Inlet from bottom, outlet from top)
2 and 3	Port of pulse output passive

ADM100SC

Single Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100SC single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, This meter has seven digits LCD monitors shows the active energy power consumption. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

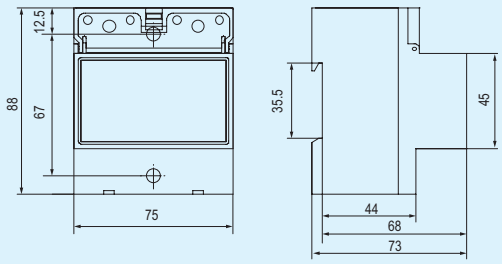
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Standard configuration 6+1 digits display (999999.1kWh). May select 5+2 digits display (Please specified when ordering).
- Seven digits LCD monitors standard configuration Impulse output passive (polarity), May select distant impulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Two LED instructions respectively power state (green) and signal of power impulse (red).
- Standard configuration don挟 detect direction of the trend of load current. May select Automatic Detecting the direction of the trend of load current. And instructions by an individual LED.
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT (Product Configuration code is IC) and PT & CT (Product Configuration code is HC) for operation.
- Standard configuration extended terminals cover, in order to protect to use electricity safely, may select short terminals cover.

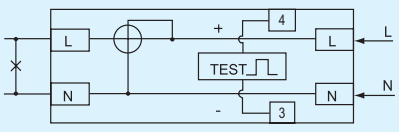
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100SC	Class 1 Class 2	220V 120V	2.5(10), 3(15), 5(20), 10(30), 15(90),20(100), 5(40),5(100),	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



接线端子	说明
L	相线
	(底端进线，顶端出线)
N	中性线
	(底端进线，顶端出线)
3 和 4	无源电能脉冲输出端口

ADM100SCR

Single Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100SCR single phase electronic multi-rate DIN rail active energy meter is a kind of single phase two wire two tariffs (tariff conversion is controlled by timer outside or similar equipment) active energy watt-hour meter. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

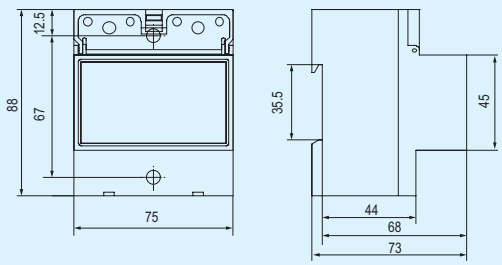
Functions and features

- 35mm standard DIN rail installation , complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Have two tariffs, and port of set the tariff, input control voltage 0-90 Vac, set up tariff F1, input control voltage 150-400 Vac, set up tariff F2, the tariff conversion is controlled by timer outside or similar equipment.
- May select cycle display (default) or push the button itemized display, it can display 6 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- Use memory that is not lost easily, the data can be kept forever after power cut off.
- A port of pulse output passive (polarity), complying with standard IEC 62053-31.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter, communication protecol complying with standard DL/T645-1997.
- Six LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction measure single phase two wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT (Product Configuration code is BN) and PT & CT (Product Configuration code is BP) for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

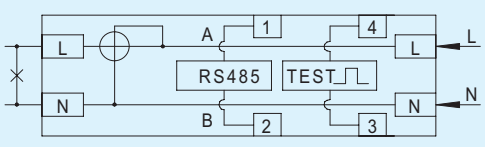
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100SCR	Class 1 Class 2	220V 120V	2.5(10), 3(15), 5(20), 10(30), 15(90),20(100), 5(40),5(100),	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
L	Phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
3 and 4	Port of pulse output passive
1and 2	Port of RS485 data communication

ADM100SCY

Single Phase Electronic DIN Rail Prepaid Watt-hour Energy Meter

Application

Model ADM100SCY single Phase electronic DIN rail prepaid watt-hour energy meter is developedanew kind product by our company, with is based on excellent of pre-paid special chip. It has multiple functions, such as electrical energy calculation, load control and user′ s information management. The product setting carge and adjusting load state in the electric-network.

The product can be installed in the electric meter box, indoor or outdoor, the ambient emperature is -25℃~+60℃. The relative humidity is not more than 85%.

Each of performance norms of the product accords with IEC61036 static meter international standard and all technical requirments of JB/T8382-1996 pre-paid electric meter standard.

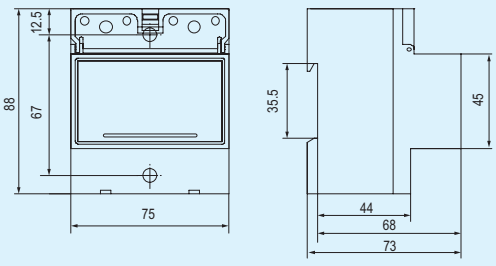
Functions and features

- 35mm standard DIN rail installation , complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- The international standard IC card hard disk password protection for pre-collection of fees, and the power supply department pre-charge the power bills by selling the IC cards, so that the users can use the power soon after purchase.
- It integrates full digital metering, power display, pre-payment control, card reading, and intelligent power-theft-proof, with very good reliability.
- It is equipped with overload protection. when the load exceeds 20-30% of the max current for10-15 seconds, the power supply circuit will be off.
- The IC card is furnished with both soft and hard disc password protection, which can fully ensure the safety, accuracy and reliability of the data. with special design, the IC card can record the information of remaining powertheft.
- The perfect card protection circuit is capable of preventing any malicious attacks.
- It can display the remaining and accumulating power in alternation, with five digitals.
- It is able to signal the alarm when the power runs out, and may over draft when the card is inserted. When the digital tube flashes and shows the remaining power,it reminds the users to imput newly purchased power.
- When the insufficient power reaches certain value(set before ex-factory, usually at-10kW.h), the power will be off automatically, and power supply will resume as soon as the newly purchased power is input.
- The application of magnetic latching relay has not only raised the reliability of power-off and reduced the power consumption after power-off, but also overcome the difficulties for contact due to long time of large current of relay.
- When the power is off, the data can be saved automatically and recovered when the power supply resumes. constituted the power-sales management system.
- Through the comparison and analysis of recorded information, the management system can list the users who are suspicious of stealing power. In this way, customers can examine the power more easily, and reduce the power theft. Option of RS485.

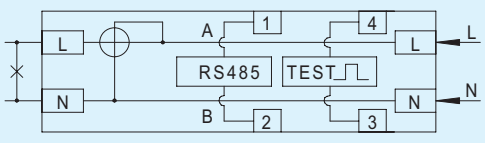
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100SCY	Class 1 Class 2	220V 120V	2.5(10), 3(15), 5(20), 10(30), 15(90),20(100), 5(40),5(100),	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
L	Phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
3 and 4	Port of pulse output passive
1and 2	Port of RS485 data communication

ADM100SCF

Single Phase Electronic Multi-Rate Din-Rail Active Energy Meter

Application

Model ADM100SCF single phase electronic multi-rate DIN rail active energy meter is a kind of single phase two wire three tariffs (time-sharing billing)active energy meter, the meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

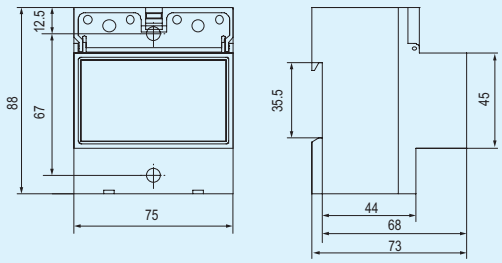
Functions and features

- 35mm standard DIN rail installation , complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Have three tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatically read the meter every month. May select single tariff function in weekend. (Please specified when ordering)
- There are a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- A port of pulse output passive (polarity), complying with standard IEC 62053-31.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protecol complying with standard DL/T645-1997.
- Seven LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction measure single phase two wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

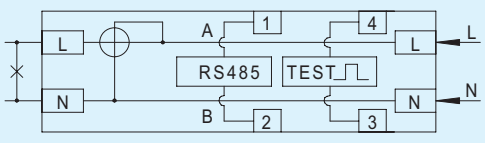
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100SCF	Class 1 Class 2	220V 120V	2.5(10), 3(15), 5(20), 10(30), 15(90),20(100), 5(40),5(100),	0.4%Ib 0.5%Ib	AC voltage 2kV for 1 minute, impulse voltage 6kV

Outer and mount dimension



Wiring diagram



Terminal	Note
L	Phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
3 and 4	Port of pulse output passive
1and 2	Port of RS485 data communication

ADM100T

Three Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100T three phase electronic DIN rail active energy meter is a kind of new style three phase four wire electronic active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has its completely independent intellectual property rights and minimum size, and also a new three phase four wire active energy meter. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. It can display total energy consumption by step type impulse register. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

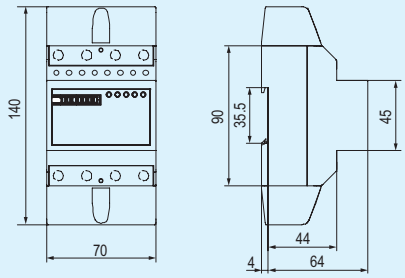
Functions and features

- 35mm standard DIN- rail installation, complying with standard DIN EN50022. Four pole width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 6+1 digits display (999999.1kWh) by step and motor pulse counter. May select 5+1
- digits display (99999.1kWh).
- Standard configuration pulse output passive (polarity), May select distant impulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Four LED respectively instructions every power state and signal of power impulse.
- Automatic detect the direction of the trend of load current. And Instructions on individual LED. Single direction three components measure three phase four wire active power consumption. It is nothing
- with direction of the trend of load current. Complying with standard IEC 62053-21. Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we
- can also choose another type of connection, and use CT (Product Configuration code is CC) and PT & CT (Product Configuration code is BC) for operation.
- Extended terminals cover, in order to protect to use electricity safely.

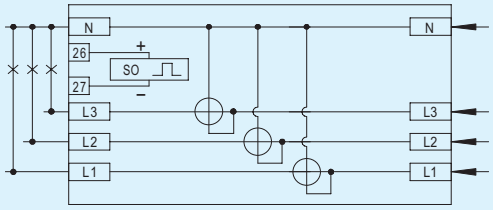
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100T	Class 1	3×127/220 3×230/400	5(100)	0.02	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

Outer and mount dimension



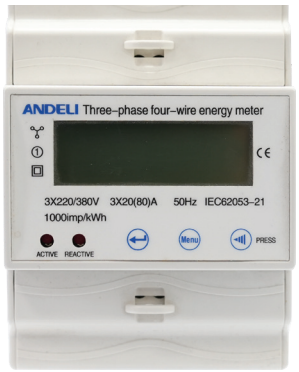
Wiring diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
	(Inlet from top, outlet from bottom)
26 and 27	Port of pulse output passive

ADM100TC

Three Phase Electronic Din-Rail Active Energy Meter



Application

Model ADM100T three phase electronic DIN rail active energy meter is a kind of new style three phase four wire electronic active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has its completely independent intellectual property rights and minimum size, and also a new three phase four wire active energy meter. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has white backlight source eight digits LCD monitors shows the active energy power consumption. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

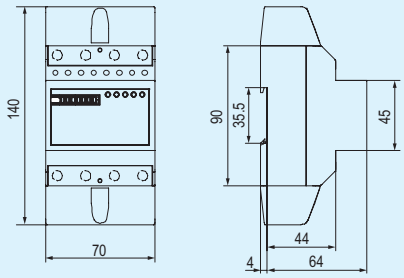
Functions and features

- 35mm standard DIN- rail installation, complying with standard DIN EN50022.
- Four pole width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 7+1 digits display (9999999.1kWh) by white backlight source LCD. May select7+1 digits display (999999.1kWh) without backlight source normal LCD. (Product Configuration code is SK).
- Standard configuration pulse output passive (polarity), May select distant impulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Four LED respectively instructions every power state and signal of power impulse.
- Automatic detect the direction of the trend of load current. And Instructions on individual LED.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect to use, type S connection (inlet from top, outlet from bottom),.
- Extended terminals cover, in order to protect to use electricity safely.

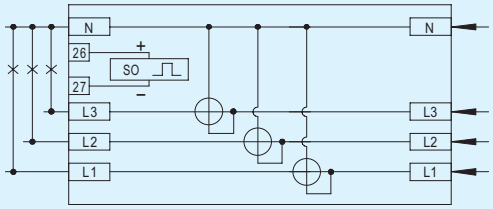
Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting (A)	Insulation performance
ADM100TC	Class 1	3×127/220 3×230/400	5(100)	0.02	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

Outer and mount dimension



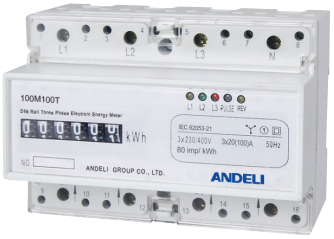
Wiring diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
	(Inlet from top, outlet from bottom)
26 and 27	Port of pulse output passive

100M100T

Three Phase Electronic Din-Rail Active Energy Meter



Application

Model 100M100T three phase electronic DIN rail active energy meter is a kind of new style three phase four wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. It can display total energy consumption by step and motor type impulse register. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

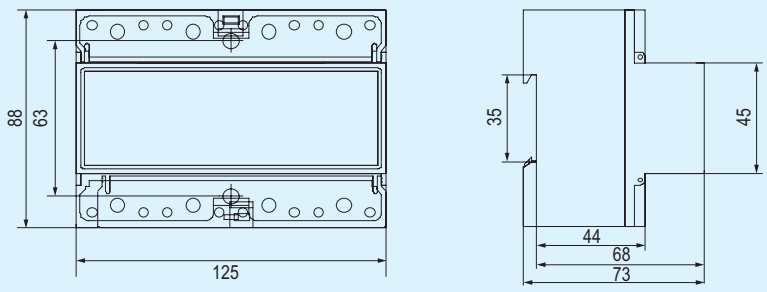
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- 6 digits display (999999kWh) by step and motor type impulse counter.
- Standard configuration one port of pulse output passive (polarity), May select increase a distant port of pulse output passive (no polarity), (Product Configuration code is DF). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Four LED instructions respectively power state and signal power impulse.
- Automatic detect the direction of the trend of load current. And Instructions on individual LED.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Direct connect to use, type S connection (Inlet from bottom, outlet from top).
- Short terminals cover, it is used to reduce mounting space, and make mounting conveniently.

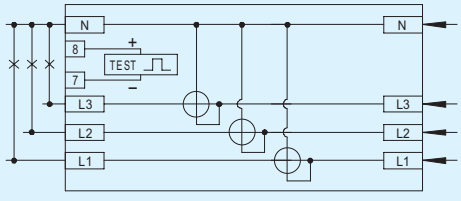
Technical parameters

Name	Model	Accuracy	Reference voltage (V)	Current specifications (A)
Three phase four wire Energy Meter	100M100T	Class 1 Class 2	3×380/220V 3×100/57.5V	15(6),3(6), 5(30),10(50), 15(90),20(100), 5(40),5(100),
Three phase three wire Energy Meter	100M100T	Class 1 Class 2	3×100V 3×380V	

Outer and mount dimension



Wiring diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
7 and 8	Port of pulse output passive

ADM100TC

Three Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100TC three phase electronic DIN rail active energy meter is a kind of new style three phase four wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has seven digits LCD monitors shows the active energy power consumption. And there is a maintenance-free lithium batteries in it, it use for showing blackout reading. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

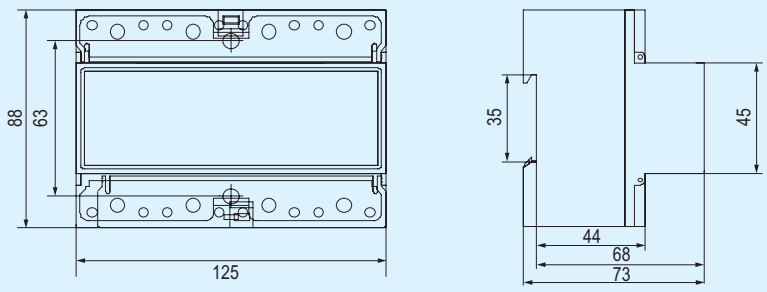
Functions and features

- 35mm standard DIN rail installation , complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Seven digits display LCD, standard configuration 6+1 digits display (999999.1kWh). May select 5+2 digits display (Please specified when ordering).
- There is a maintenance-free lithium batteries in it, it use for showing after power cut off reading
- There are a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant (the output rate is 10 or 100imp/ KWh/, can select). And contact with all kind of AMR system conveniently.
- Complying with standard IEC 62053-31 and DIN 43864.
- Five LED instructions respectively every power state and signal of closed power impulse and distant power impulse.
- Automatic Detect the direction of the trend of load current. And Instructions on individual LED
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

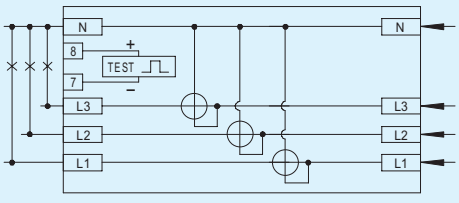
Technical parameters

Name	Model	Accuracy	Reference voltage (V)	Current specifications (A)
Three phase four wire Energy Meter	ADM100TC	Class 1 Class 2	3×380/220V 3×100/57.5V	15(6),3(6), 5(30),10(50), 15(90),20(100), 5(40),5(100),
Three phase three wire Energy Meter	ADM100TC	Class 1 Class 2	3×100V 3×380V	

Outer and mount dimension



Wiring diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
7 and 8	Port of pulse output passive

ADM100TCR

Three Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100TCR three phase electronic DIN rail active energy meter is a kind of new style three phase four wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has seven digits LCD monitors shows the active energy power consumption. And there are far infrared and RS485 communication module in it. Contact with all kind of AMR system conveniently It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

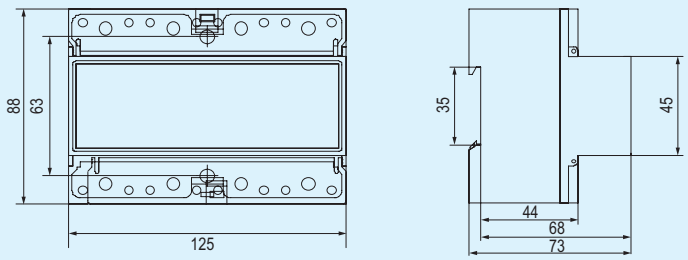
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- May select 6+1 digits display (999999.1kWh) or 5+2 digits display, it can be arbitrary set by users from far infrared or port of RS485 data communication.
- There are a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant (the output rate is 10 or 100imp/ KWh, can select). Complying with standard IEC 62053-31 and DIN 43864.
- There are a port of far infrared data communication and a port of RS485 data communication. Standard configuration communication protelot complying with standard DL/T645-1997, can also choose any other communication agreement.
- Six LED instructions respectively every power state, signal of closed power impulse and distant power impulse and data communication state.
- Automatic Detect the direction of the trend of load current. And Instructions on individual LED.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT (Product Configuration code is FC) and PT & CT (Product Configuration code is EC) for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Name	Model	Accuracy	Reference voltage (V)	Current specifications (A)
Three phase four wire Energy Meter	ADM100TCR	Class 1 Class 2	3×380/220V 3×100/57.5V	15(6),3(6), 5(30),10(50), 15(90),20(100), 5(40),5(100),
Three phase three wire Energy Meter	ADM100TCR	Class 1 Class 2	3×100V 3×380V	

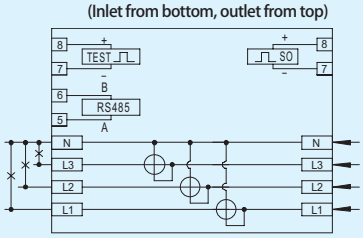
Outer and mount dimension



Wiring diagram

Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
7 and 8	Port of pulse output passive closed
5 and 6	Port of RS485 data communication
3 and 4	Port of pulse output passive distant

(Inlet from bottom, outlet from top)



ADM100TCF

Three Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100TCF three phase electronic multi-rate DIN rail active energy meter is a kind of three phase four wire three tariffs (time-sharing billing)active energy meter, the meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

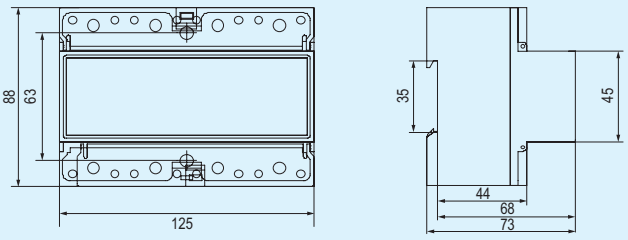
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Have three tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatically read the meter every month. May select single tariff function in weekend. (Please specified when ordering)
- There is a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, we can set the cycle display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select), Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protelot complying with standard DL/T645-1997.
- Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT (Product Configuration code is AN) and PT & CT (Product Configuration code is AP) for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Name	Model	Accuracy	Reference voltage (V)	Current specifications (A)
Three phase four wire Energy Meter	ADM100TCF	Class 1 Class 2	3×380/220V 3×100/57.5V	15(6),3(6), 5(30),10(50), 15(90),20(100), 5(40),5(100),
Three phase three wire Energy Meter	ADM100TCF	Class 1 Class 2	3×100V 3×380V	

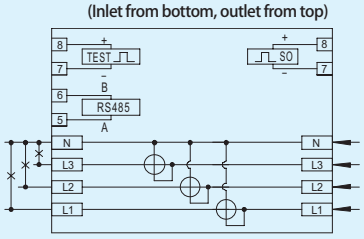
Outer and mount dimension



Wiring diagram

Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
7 and 8	Port of pulse output passive closed
5 and 6	Port of RS485 data communication
3 and 4	Port of pulse output passive distant

(Inlet from bottom, outlet from top)



ADM100TCD

Three Phase Electronic Din-Rail Active Energy Meter

Application

Model ADM100TCD three phase electronic multi-rate DIN rail active energy meter is a kind of three phase four wire three tariffs (time-sharing billing)active energy meter, the meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

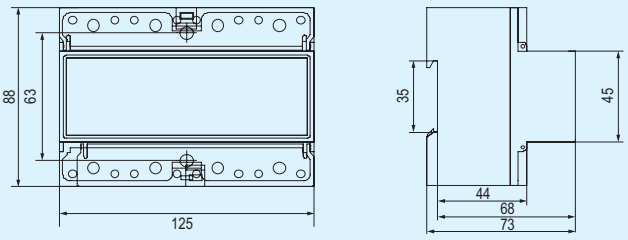
Functions and features

- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Have three tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatically read the meter every month. May select single tariff function in weekend. (Please specified when ordering)
- There is a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, we can set the cycle display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select), Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protelot complying with standard DL/T645-1997.
- Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration type S connection (Inlet from bottom, outlet from top) for direct connect to use, we can also choose another type of connection, and use CT (Product Configuration code is AN) and PT & CT (Product Configuration code is AP) for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Name	Model	Accuracy	Reference voltage (V)	Current specifications (A)
Three phase four wire Energy Meter	ADM100TCD	Class 1 Class 2	3×380/220V 3×100/57.5V	15(6),3(6), 5(30),10(50), 15(90),20(100), 5(40),5(100),
Three phase three wire Energy Meter	ADM100TCD	Class 1 Class 2	3×100V 3×380V	

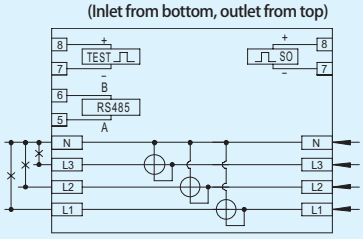
Outer and mount dimension



Wiring diagram

Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
7 and 8	Port of pulse output passive closed
5 and 6	Port of RS485 data communication
3 and 4	Port of pulse output passive distant

(Inlet from bottom, outlet from top)



DDZY1375

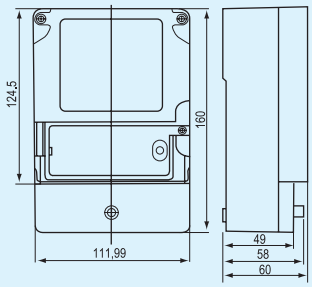
Single-phase fee charged with intelligent watt-hour meter(Remote fee charged)

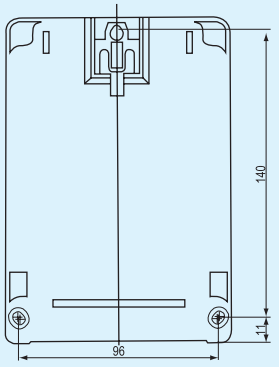
Application

DDZY1375 type Single-phase fee charged with intelligent watt-hour meter is used of advanced energy metering chip, application of digital sampling technology and SMT process.
This product can measure forward, reverse and foru rate powers and store their data, it has function of clear, calibrate, the program, power down, open the event log table cover and have the power pulse output, the clock signal output, etc.
The performance index meets GB/T 15284-2002 "special requirements Multi-rate Energy Meter", GB/T 17215.323-2008 "ac measurement device specific requirements-some 23 static meters for reactive energy (class 2 and 3)"GB 17215.323-2008 "special requirements of AC measuring devices-Part 21 static meters for active energy (class 1 and 2)"GB/T 17215.211-2006 "AC measuring devices General requirements and tset conditions of test-Part 11: Measuring Equipment"DL/T 614-2007 "Energy Meter", communication protocols meet the DL/T 645-2007 "Energy Meter Communication Protocol."Q/GDW_365-2009 "intelligent energy meter exchange of information security certification specifications", Q/GDW 364-2009 "Smart single-phase energy meter specifications",Q/GDW 355-2009 "Smart single-phase energy meter specifications"Q/GDW 354-2009 "Smart Meter Functional specifications"

Functions and features

- Power measurement functions
  - It has positive active energy and the reverse energy measure function, can store data, and can accordingly it set the active portfolio
  - It has time-measurement functions, active electric energy accumulated by the corresponding periods respectively, store the total, tip, peak, flat, vallery electric energy.
  - At least 12 months of storage the every rate of electricd power and total energy, data storage time for the end of 24 boundaries, or in month on the 1st to the 28th point of the whole time.
- The remote multi-control feature
  Electricity calculation complete in remote sale of electricity system, the meter does not store, display the information associated with the electricity and price. When the meter receives to the switch on and switch out, ESAM data copy reading insturctions from the remote vending system, only after a strict passwored authentication and security certification, it will be implementtation of the directive corresponding.
- Measuring and monitoring
  This meter can measure record, display the current voltage, current (including the zero line current), power, power factor and other operating parameters. Measurement error (refernce error) does not exceed ±1%
- Event record function
  - Permanent record the time and the data when the meter clear
  - Record the cotal programmed number, programming time in the recent 10, the operator code, data entry logo of programming
  - Able to record the total number of calibrate time (not including broadcasting calibrate time), calibrate time and the operator code in the recent 10 times.
  - Record the total number of power-down, and the starting and ending time of recent 10 times.
  - Record the last 10 times remote control switch on and switch out event, Record switch on and switch out time of the incident and power and other data.
  - Record the total number of open meters cover, and the starting and ending time of open meters cover in recent 10 times.
- Rate, time-period
  With two sets of rates time table, cna be automatically converted at the appointed time, the minimum time of intervalis 15min; time can be set up across the zero point.





技术参数

- Electricity data

Normal working voltage	Extended working voltage	Active power	Apparent power	Data backup battery
0.9Un~1.1Un	0.8Un~1.15Un	⩽ 1.5W	⩽ 10VA	3.6 ⩾ 1200mAh

- Working data

Clock accuracy	Battery capacity	Display
⩽ 0.5s/d(23℃)	⩽ 1200mAh	LCD backlight

- Climatic conditions

Normal operating temperature	Limit working temperature	Storage and transpory temperature	Storage and work humidity
-25℃~+60℃	-40℃~+70℃	-40℃~+70℃	95%

DDZY1375

Single-phase fee charged with intelligent watt-hour meter

Application

DDZY1375 type Single-phase fee charged with intelligent watt-hour meter is used of advanced energy metering chip, application of digital sampling technology and SMT process.
This product can measure forward, reverse and foru rate powers and store their data, it has function of clear, calibrate, the program, power down, open the event log table cover and have the power pulse output, the clock signal output, etc.
The performance index meets GB/T 15284-2002 "special requirements Multi-rate Energy Meter", GB/T 17215.323-2008 "ac measurement device specific requirements-some 23 static meters for reactive energy (class 2 and 3)"GB 17215.323-2008 "special requirements of AC measuring devices-Part 21 static meters for active energy (class 1 and 2)"GB/T 17215.211-2006 "AC measuring devices General requirements and tset conditions of test-Part 11: Measuring Equipment"DL/T 614-2007 "Energy Meter", communication protocols meet the DL/T 645-2007 "Energy Meter Communication Protocol."Q/GDW_365-2009 "intelligent energy meter exchange of information security certification specifications", Q/GDW 364-2009 "Smart single-phase energy meter specifications",Q/GDW 355-2009 "Smart single-phase energy meter specifications"Q/GDW 354-2009 "Smart Meter Functional specifications"

Functions and features

- Power measurement functions
  - ○ It has positive active energy and the reverse energy measure function, can store data, and can accordingly it set the active portfolio
  - ○ It has time-measurement functions, active electric energy accumulated by the corresponding periods respectively, store the total, tip, peak, flat, vallery electric energy.
  - ○ At least 12 months of storage the every rate of electricd power and total energy, data storage time for the end of 24 boundaries, or in month on the 1st to the 28th point of the whole time.
- The remote multi-control feature
  Electricity calculation complete in remote sale of electricity system, the meter does not store, display the information associated with the electricity and price. When the meter receives to the switch on and switch out, ESAM data copy reading insturctions from the remote vending system, only after a strict passwored authentication and security certification, it will be implementtation of the directive corresponding.
- Measuring and monitoring
  This meter can measure record, display the current voltage, current (including the zero line current), power, power factor and other operating parameters. Measurement error (refernce error) does not exceed ±1%
  - ○ Event record function
  - ○ Permanent record the time and the data when the meter clear
    Record the cotal programmed number, programming time in the recent 10, the operator code, data entry logo of programming
  - ○ Able to record the total number of calibrate time (not including broadcasting calibrate time), calibrate time and the operator code in the recent 10 times.
  - ○ Record the total number of power-down, and the starting and ending time of recent 10 times.
    Record the last 10 times remote control switch on and switch out event, Record switch on and switch out time of the incident and power and other data.
  - ○ Record the total number of open meters cover, and the starting and ending time of open meters cover in recent 10 times.
- Rate, time-period
  With two sets of rates time table, cna be automatically converted at the appointed time, the minimum time of intervalis 15min; time can be set up across the zero point.
- Communication
  - ○ Carrier communication ○ Infrared communication ○ RS485 communication
  - ○ Signal output ○ Power pulse output ○ Multi-function signal output ○ Control output

技术参数

- Electricity data

Normal working voltage	Extended working voltage	Active power	Apparent power	Data backup battery
0.9Un~1.1Un	0.8Un~1.15Un	⩽ 1.5W	⩽ 10VA	3.6 ⩾ 1200mAh

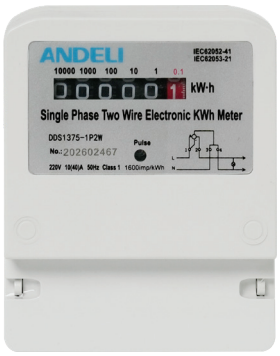
- Working data

Clock accuracy	Battery capacity	Display
⩽ 0.5s/d(23℃)	⩽ 1200mAh	LCD backlight

- Climatic conditions

Normal operating temperature	Limit working temperature	Storage and transpory temperature	Storage and work humidity
-25℃~+60℃	-40℃~+70℃	-40℃~+70℃	95%

DDS1375
Single Phase Electronic Energy Meter



Application

DDS1375 electronic energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it is use for setting indoor or out door, and it can display total energy consumption by step and motor type impulse register. It has following features: good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

Functions and features

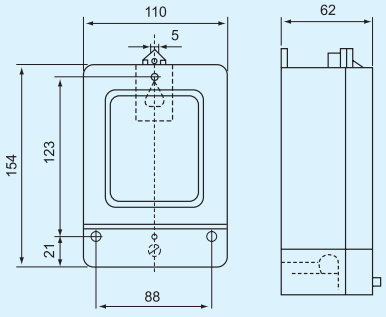
- Front board three fixed installation.
- Standard configuration 5+1 digits display (99999.1kWh) by step motor and pulse machinery counter.
- Standard configuration one port of pulse output passive (polarity), May select increase a distant port of pulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard
- Standard configuration only one LED instructions signal of power impulse (red), may select add instructions power state (green)and automatically detect the direction of the trend of load current and instructions by LED (when display yellow, that is meaning the current is reverse). Please specified when ordering.
- Single direction single component measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Direct connect and use, there are two types you may select. Standard configuration type 1B connection, may select type 1A connection.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting current (A)	Insulation performance
DDS1375	Class 1	127 230	5(30) 10(60) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

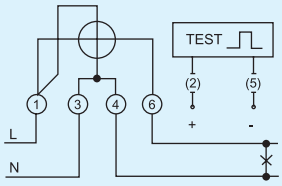
* If you need different reference voltage or current specification, please advisory our sales.

Outer and mount dimension



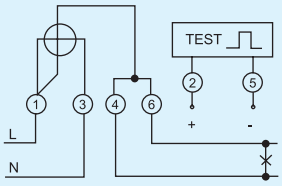
Wiring diagram

Type A



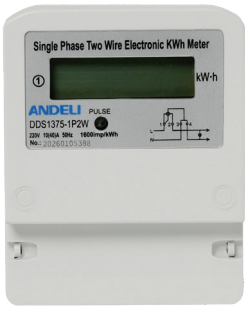
Terminal	Note
1	Inlet phase line
3	Outgoing phase line
4	Inlet neutral line
6	Outgoing neutral line
2 and 5	Port of pulse output passive

Type B



Terminal	Note
1	Inlet phase line
3	Outgoing phase line
4	Inlet neutral line
6	Outgoing neutral line
2 and 5	Port of pulse output passive

DDS1375
Single Phase Electronic Energy Meter



Application

DDS1375 single-phase electronic abstraction-of-electricity prevention watt-hour meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 61036-2000. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it is use for setting indoor or out door, and it can display total energy consumption by step and motor type impulse register. It has following features: good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

Functions and features

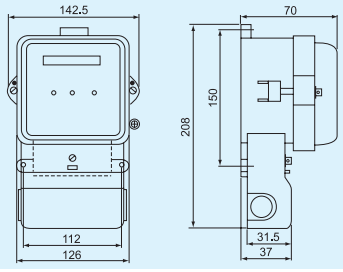
- Front board three fixed holes installation, the cover is made of high definition transparent glass material molded overall, the base of the is made of steel and anti-rust, meter and the terminal block is made of quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: Good weatherability, high rigid, specious appearance, etc.
- Standard configuration 5+1 digits display (99999.1kWh) by step motor and pulse machinery counter.
- Standard configuration one port of pulse output passive (polarity), May select increase a distant port of pulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 61036-2000.
- Standard configuration only one LED instructions signal of power impulse (red), may select add instructions power state (green)and automatic detection the direct of the trend of load current and instructions by LED (when display yellow, that is meaning the current is reverse). Please specified when ordering.
- Single direction single component measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Direct connect and use, there are two types you may select. Standard configuration type 1B connection, may select type 1A connection.
- Extended terminals cover, in order to protect to use electricity safely.

Technical parameters

Model	Accuracy	Rated Voltage (V)	Current specifications (A)	Starting current (A)	Insulation performance
DDS1375	Class 1	220 or 240	5(30) 10(60) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

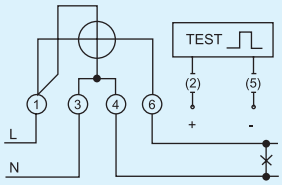
*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



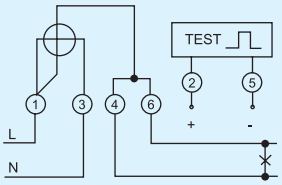
Wiring diagram

Type A



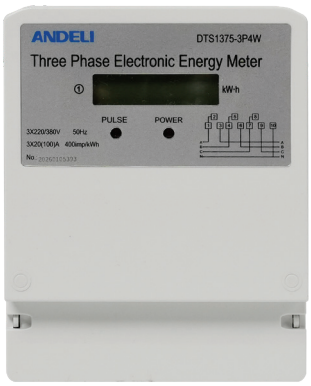
Terminal	Note
1	Inlet phase line
3	Outgoing phase line
4	Inlet neutral line
6	Outgoing neutral line
2 and 5	Port of pulse output passive

Type B



Terminal	Note
1	Inlet phase line
3	Outgoing phase line
4	Inlet neutral line
6	Outgoing neutral line
2 and 5	Port of pulse output passive

DTS1375/DSS1375
Three Phase Electronic Energy Meter



Application

Model DTS1375/DSS1375 three phase four wire electronic front board installed active energy meter is a kind of new style three phase four wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net, it is use for setting indoor or out door, it can display total energy consumption by step and motor type impulse register. It has following features: Good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

Functions and features

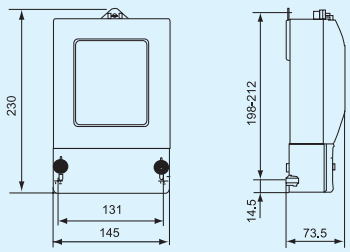
- Front board three fixed holes installation, up and down mounting holes center distance is198-212 mm, users can choose any one by themselves.
- 6 digits display (999999KWh) by step and motor type impulse register.
- Standard configuration only a polarity port of pulse output passive, may select add a no polarity port of pulse output passive distant (Product Configuration code is DF). And contact with all kind of AMR system conveniently, Complying with standard IEC 62053-31 and DIN 43864.
- Four LED instructions respectively power state and signal of power impulse.
- Standard configuration don挟 detect direction of the trend of load current. May select automatic Detecting the direction of the trend of load current. And Instructions on individual LED. (Please specified when ordering).
- Single direction three components measurement three phase four wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration direct connect and use , type A connection, we can also choose another type of connection, and use 5+1 digits display by impulse counter, CTand PT & CT for operation, it is type B connection.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting current (A)	Insulation performance
DTS1375 DSS1375	Class 1 Class 2	3x 127/220 3x 230/400	1.5(6) 3(6) 5(20) 10(40) 15(60) 30(100)	0.02 0.04 0.08	AC voltage 4kV for 1 minute, 1.2/50us waveform impulse voltage 6kV

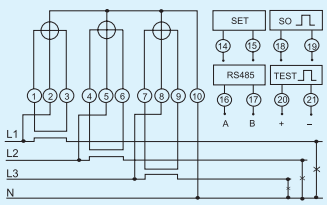
*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



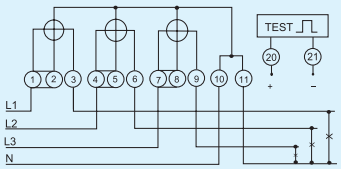
Wiring diagram

Type A



Terminals	Note
1	Inlet L1 phase
3	Outgoing L1 phase
4	Inlet L2 phase
6	Outgoing L2 phase
7	Inlet L3 phase
9	Outgoing L3 phase
10	Inlet neutral line
11	Outgoing neutral line
20 and21	Port of pulse output passive

Type B



Terminals	Note
1	Inlet L1 phase
3	Outgoing L1 phase
4	Inlet L2 phase
6	Outgoing L2 phase
7	Inlet L3 phase
9	Outgoing L3 phase
10	Inlet neutral line
11	Outgoing neutral line
20 and21	Port of pulse output passive

DDSY1375
Single Phase Electronic Prepayment Energy Meter

Application

DDSY1375 type single-phase electrnic pre-paid electric meter is developedanew kind product by our company, with is based on excellent of pre-paid special chip. It has multiple functions, such as electrical energy calculation, load control and user′ s information management. The product setting carge and adjusting load state in the electric-network. The product can be installed in the electric meter box, indoor or outdoor, the ambient emperature is -25℃~+60℃. The relative humidity is not more than 85%.

Each of performance norms of the product accords with IEC61036 static meter international standard and all technical requirments of JB/T8382-1996 pre-paid electric meter standard.

Functions and features

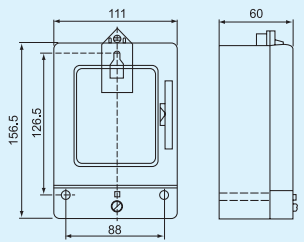
- The international standard IC card hard disk password protection for pre-collection of fees, and the power supply department pre-charge the power bills by selling the IC cards, so that the users can use the power soon after purchase.
- It integrates full digital metering, power display, pre-payment control, card reading, and intelligent power-theft-proof, with very good reliability.
- It is equipped with overload protection. when the load exceeds 20-30% of the max current for10-15 seconds, the power supply circuit will be off.
- The IC card is furnished with both soft and hard disc password protection, which can fully ensure the safety, accuracy and reliability of the data. with special design, the IC card can record the information of remaining powertheft.
- The perfect card protection circuit is capable of preventing any malicious attacks.
- It can display the remaining and accumulating power in alternation, with five digitals(four integers and one decimal fraction).
- It is able to signal the alarm when the power runs out, and may over draft when the card is inserted. When the digital tube flashes and shows the remaining power,it reminds the users to imput newly purchased power.
- When the insufficient power reaches certain value(set before ex-factory, usually at-10kW.h), the power will be off automatically, and power supply will resume as soon as the newly purchased power is input(deducting the over draft).
- The application of magnetic latching relay has not only raised the reliability of power-off and reduced the power consumption after power-off, but also overcome the difficulties for contact due to long time of large current of relay.
- When the power is off, the data can be saved automatically and recovered when the power supply resumes. constituted the power-sales management system.
- Through the comparison and analysis of recorded information, the management system can list the users who are suspicious of stealing power. In this way, customers can examine the power more easily, and reduce the power theft.
- Option of RS485.

Technical parameters

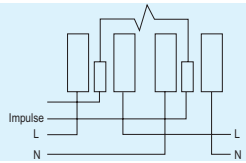
Rated Current (A)	Rated Voltage (V)	Frequency (Hz)	Accuracy	Starting current (A)	Power Consumption
1.5(6) 2.5(10) 5(20) 10(40) 15(60) 20(80)	220	50	Class 1.0 Class 2.0	0.4%(Class 1.0) 0.5%(Class 2.0)	<2W/5VA

*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



Wiring diagram



DTSY(DSSY)1375
Three Phase Electronic Prepayment Energy Meter

Application

Type DTSY(DSSY)1375 three-phase electronic prepayment electric energy meter is the metrical instru ment controling ghe electricity by limiting the quantity and load after the user pays the rat-eto the supply departmentin advance. It employs the American chip to measure the impulse as well as the latest encypted IC card to transmit the data. with one card for one user, it is provided with the function for protecting again stelectricity-theft. Therefore, it is widely applied to industrial or mineral enterprises, real estate mangaement of small residential area, and town and country network reform.

Each of the performance indexes is styictiy in conformitly to the technical requirements for electronic three-phase prepayment electric enetgy meter specified in IEC61036 and JB/T8382-96 standards.

Functions and features

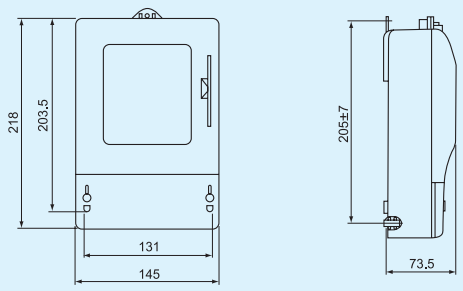
- Manufactuing standard: In conformity to the repuirement specified in JB/T8382-96 Prepayment Electric energy meter standard.
- Accuracy class: Class1.0; Class2.0.
  Power consumption: ⩽2.0W.
- Work voltage range.
- Specifications:
- Three-phase three-wire: 3x100V、50Hz、3x1.5(6)A、3X3(6)A.
- Three-phase four-wire:3x220V、50Hz、3x1.5(6)A、3X3(6)A、3x3(6)A、3X5(20)A、3x10(40)A、3x20(80)A.
- Service conditions: Ambient temperature-20~+50℃.
- Relative humidity:⩽85%.
- Option of RS485.

Technical parameters

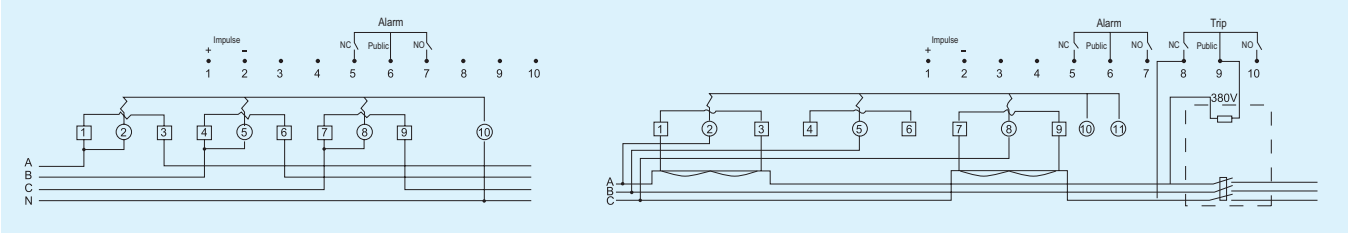
Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Connection Mode
DTSY1375	Class 1	3x380/220	3x1(2), 3x1.5(6), 3x3(6)	C.T Type
			3x5(20), 3x10(40), 3x15(60), 3x20(80)	Direct Type
DSSY1375	Class 1	3x380	3x1(2), 3x1.5(6), 3x3(6)	C.T Type
			3x5(20), 3x10(40), 3x15(60), 3x20(80)	Direct Type

*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



Wiring diagram



DDSF1375
Single Phase Electronic Multi-rate Energy Meter

Application

The DDSF1375 electronic single-phase multi-rate watt-hour meter is composed by the electronic single-phase watt-hour meter part and multi-rate part, LCD display, infrared or RS485 communicaton, It has high measuring accuracy, well stability, well over-load ability and high reliability, It can measure the time-sharing single phase. All the Meter comply with the standard of GB/T15284-2002 Multi-rate(time-sharing) Watt-hour Meter and GB/T15284-2002 Multi-rate(time-sharing) Watt-hour Meter Communicaton Rule.

Functions and features

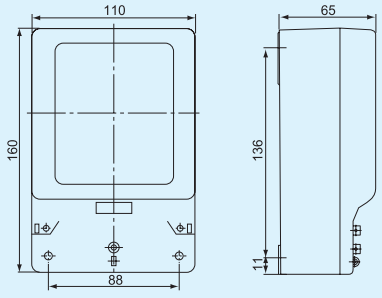
- Each of four periods has different rates(point period, peak period, smooth period and trough perild). Every period of time can be programmed into 12 periods of time and the minimum time interval is one minutes.
- All the consumption date can be reserved for 12 months.
- It can auto identify the directional, will be auto save and accumulate to the forward direction power counter. It can auto save the reverse direction power, starting time and the total time.
- It has the function of reverse directional pulse test and indication.
- It has the isolated RS485 commuication, and design for prevent from the lightning strike.
- Date-copying adopt the password and program switch protection, recording the latest program time and degree.
- It adopts the hardware clock circuit, the lowest current consumption, The battery is one-time and environmental protection lithium battery.
- It can setup the meter number, bureav number, time-period, rate, date, time, meter reading reading time, password and the initial electric power.
- It can indicate the short voltage of the backup battery, the hardware state of the meter, the communication state of the meter, the clock state, the directional electricenergy, time-adjusting state and present time-period.
- It can read via RS485 or hand computer.
- Meter reading function at power off.

Technical parameters

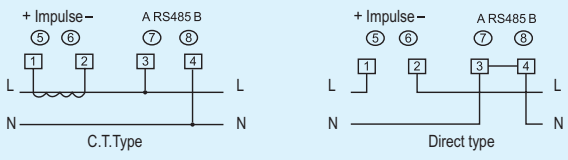
Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Insulation Performance
DDSF1375	Class 1.0	220	1.5(6) 2.5(10) 5(20) 10(40)	AC voltage 2kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



Wiring diagram



DTSF1375/DSSF1375

Three Phase Electronic Multi-rate Energy Meter

Application

DTSF1375/DSSF1375 three-phase multi-rteelectric meter is a kind of three phase three tariffs (time-sharing billing)active energy watt-hour meter, the meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net, it is use for setting indoor or out door meter box. This meter has seven digits LCD monitors shows various consumption data and information. And there are far infrared and RS485 communication module in it. It is use for setting and reading the meter. Contact with all kind of AMR system conveniently. It has following features: Good reliability, light weight, specious nice appearance, convenient installation, etc.

Functions and features

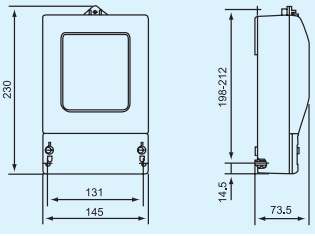
- Front board three fixed holes installation, up and down mounting holes center distance is 198-212 mm, users can choose any one by themselves.
- Have three tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatic read the meter every month. May select single tariff function in weekend. (Please specified when ordering)
- There ise a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, we can set the cycle display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select),Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protloc complying with standard DL/T645-1997. Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Single direction three components measure three phase four wire active power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Standard configuration for direct connect and use, type 1 connection, we can also choose another type of connection, and use CT and PT & CT , type connection for operation.
- Standard configuration short terminals cover, may select extended terminals cover, in order to protect to use electricity safely.

Technical parameters

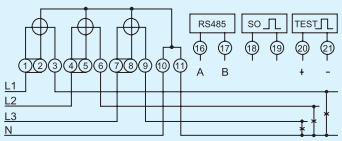
Model	Accuracy	Reference voltage (V)	Current specifications (A)	Starting current	Insulation performance
DTSF1375	Class1	3 x 127/230 3 x 230/400	5(30) 10(60) 20(100)	0.02 0.04 0.08	AC voltage 4kV for 1 minute, 1.2/50us waveform impulse voltage 6kV

* If you need different reference voltage or current specification, please advisory our sales.

Outer and mount dimension



Wiring diagram (Type 1)



Terminals	Note	Terminals	Note
1	Inlet L1 phase line	10	Inlet neutral line
3	Outgoing L1 phase line	11	Outgoing neutral line
4	Inlet L2 phase line		
6	Outgoing L2 phase line	16 and 17	Port of RS485 data communication
7	Inlet L3 phase line	18 and19	Port of pulse output passive distant
9	Outgoing L3 phase line	20 and 21	Port of pulse output passive closed

DTS(x)1375、DSS(x)1375

Three Phase Electronic Active and Reactive Integration Energy Meter

Application

DTS(x)1375、DSS(x)1375 three-phase three wire/three-phase four-wire electronic active and reactive composite watt-hour meter is adopted to three-phase double direction power/electric energy measurement special IC/SMT manufacture technology, it can measure rated frequency 50Hz of three-phase active and reactive electric energy.Its performance is in conformity with IEC 62053-21, The ambient temperature is -30℃~55℃, the relative humidity is not over 85%.

Function and feature

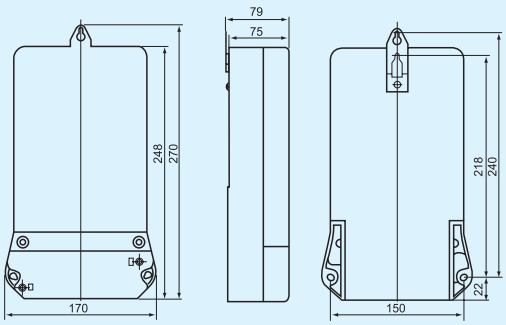
- 1.0 class three-phase three-wire/three-phase four-wire active electric electric energy measurement.
- 2.0 class three-phase three-wire/three-phase four-wire reactive electric electric energy measurement.
- Active, reactive power pulse output independently.
- Active, reactive electric energy has two machine registers.
- 90° sine reactive electric energy measurement, to guarantee that the accuracy of measurement of reactive electric energy when unbalance load.
- Active, reactive electric energy double direction measurement.
- High accuracy, high reliability, low power consumption.
- The wide working temperature range.
- Need not to calibrate for long-term working.

Technical parameters

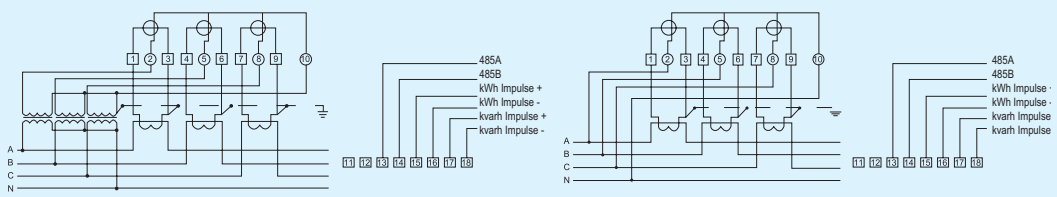
Model	Type	Rated Voltage (V)	Rated Current (V)	Accuracy Active	Accuracy Reactive
DTS(x)1375	Three-phase Four-wire	3×220/380V 3×57.7/100V	C.T Type 3×1.5(6)A 3×(6)A Direct Type 3×5(20)A 3×10(40)A 3×15(60)A 3×20(80)A 3×30(100)A	Class 1	Class 2
DSS(x)1375	Three-phase Three--wire	3×100V			

*If you need different reference voltage or current specification, please advisory our sales

Outer and mount dimension



Wiring diagram



DTSD1375/DSSD1375

Three Phase Electronic Multi-function Energy Meter

Application

DTSD1375/DSSD1375 electronic three-phase multi-function watt-hour meter is a kind of new style three phase four wire multifunctional energy meter. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21 and class 2 three phase reactive energy meter in international standard IEC 62053-23. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net, This meter has LCD monitors shows the active energy power consumption, and there are far infrared and RS485 communication module in it, contact with all kind of AMR system conveniently. It has following features: Good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.

Functions and features

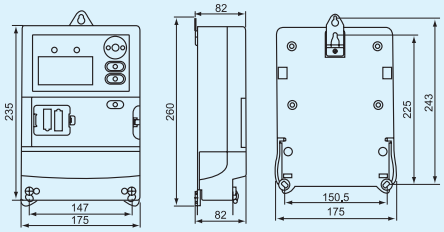
- Front board three fixed holes installation, the cover is made of PC material which is transparent and anti-UV molded overall, the base of the meter is made of pc and the terminal block is made of quality bakelite material which is moisture-resistant, fire-retardant, high temperature molded overall. It has following features: Good weatherability, high rigid, good insulation performance, etc.
- Have six tariffs, may select 12 daily period of times. You can set the date arbitrary which can automatically read the meter every month. May select single tariff function in weekend. (Please specified when ordering).
- There are a clock and Maintenance-free backup lithium batteries in it. Battery capacity detection and display all the time. It can keep the electricity data for 12 months. The data can be kept forever after power cut off.
- May select cycle display (default) or push the button itemized display, it can display 14 data at most. Can select the data which displayed. The decimal median which displayed can choose set one or two.
- There is a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant (the output rate is 10 or 100 imp/KWh, can select). Complying with standard IEC 62053-31 and DIN 43864.
- There are far infrared and a port of RS485 communication data. It is use for setting and reading the meter. Set and operation have password protection, communication protelot complying with standard DL/T645-1997.
- Ten LED instructions respectively power state, signal of power impulse, the direction of the trend of load current, the state rates just now and the data communications state.
- Detect active and reactive energy, active and reactive power, voltage, current and frequency, etc. of three phase four wire forward and reverse. Complying with standard IEC 62053-21 and IEC 62053-23..
- Standard configuration direct connect and use, we can also choose another type of connection, and use CT and PT & CT for operation.
- Standard configuration extended terminals cover, may select short terminals cover, in order to protect to use electricity safely.

Technical parameters

Model	Accuracy	Reference voltage (V)	Current specifications (A)	Insulation performance
DTSD1375 DSSD1375	Active Class1 Reactive Class 2	3×127/220 3×230/400	1.5(6) 3(6) 5(20) 10(40) 30(100)	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

* If you need different reference voltage or current specification, please advisory our sales.

Outer and mount dimension



Wiring diagram