

RM858 series

Digital meter



Application

RM858E series multi-function digital meter is high accuracy, high reliability, and high cost-effective intelligent distribution instrument, specially designed for power monitoring, intelligent controlling and measurement, applicable of power system, industrial and mining enterprises, public facilities, intelligent buildings and so on.

Feature

- 2.1 Measure three-phase voltage, three-phase current, active power, reactive power, power factor, frequency, etc;
- 2.2 Measure active electric energy and reactive electric energy;
- 2.3 Pulse output of active electric energy and reactive electric energy;
- 2.4 Adopt latest microprocessor and digital signal processing technology;
- 2.5 Adopt calculation method of collecting each measurement channel separately;
- 2.6 Standard RS-485 communication interface, support Modbus-RTU protocol;
- 2.7 Big screen, blue backlight, text field LCD display;
- 2.8 Friendly man-machine operation interface;
- 2.9 Input parameter is programmable, easy to install and wire, easy maintenance.

Model selection

Specification		Model	RM-858E -AS3	RM-858E -3S3	RM-858E -9S3	RM-858E -2S3	RM-858E -ASY3	RM-858E -3SY3	RM-858E -9SY3	RM-858E -2SY3
Real-time measurement	Three-phase voltage		√	√	√	√	√	√	√	√
	Three-phase current		√	√	√	√	√	√	√	√
	Active/reactive power		√	√	√	√	√	√	√	√
	Power factor		√	√	√	√	√	√	√	√
	Frequency		√	√	√	√	√	√	√	√
Electric energy measurement	Active electric energy		√	√	√	√	√	√	√	√
	Reactive electric energy		√	√	√	√	√	√	√	√
	Two-way measurement		√	√	√	√	√	√	√	√
Electric energy pulse output		1	2	2	2	1	2	2	2	
Switching value input		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Switching value output		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Transmitting output		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Communication interface		1	1	1	1	1	1	1	1	1
Display mode		LED	LED	LED	LED	LCD	LCD	LCD	LCD	LCD
Frame size (mm)		72×72	80×80	96×96	120×120	72×72	80×80	96×96	120×120	120×120
Hole size (mm)		67×67	76×76	91×91	111×111	67×67	76×76	91×91	111×111	111×111

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Single phase AC digital ammeter



Model: RM858AI-□K1
Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45, 91×45.
Display data: single phase AC current
Display mode: LED display
Communication mode: RS-485 (optional)
Network: single phase

Single phase DC digital ammeter



Model: RM858DI-□K1
Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45, 91×45.
Display data: single phase DC current
Display mode: LED display
Communication mode: RS-485 (optional)
Network: single phase

Single phase AC digital voltmeter



Model: RM858AV-□K1
Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45, 91×45.
Display data: single phase AC voltage
Display mode: LED display
Communication mode: RS-485 (optional)
Network: single phase

Single phase DC digital voltmeter



Model: RM858DV-□K1
Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45, 91×45.
Display data: single phase DC voltage
Display mode: LED display
Communication mode: RS-485 (optional)
Network: single phase

RM858 series

Digital meter

Three-phase digital ammeter



Model: RM858I-□K3
 Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45
 Display data: three-phase AC current
 Display mode: LED display
 Communication mode: RS-485 (optional)
 Network: three-phase four-wire, three-phase three-wire

Three-phase digital ammeter



Model: RM858I-□KY3
 Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45
 Display data: three-phase AC current
 Display mode: LCD display
 Communication mode: RS-485 (optional)
 Network: three-phase four-wire, three-phase three-wire

Three-phase digital voltmeter



Model: RM858U-□K3
 Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45
 Display data: three-phase AC voltage
 Display mode: LED display
 Communication mode: RS-485 (optional)
 Network: three-phase four-wire, three-phase three-wire

Three-phase digital voltmeter



Model: RM858U-□KY3
 Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45
 Display data: three-phase AC voltage
 Display mode: LCD display
 Communication mode: RS-485 (optional)
 Network: three-phase four-wire, three-phase three-wire

DIGITAL METER

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Digital meter



RM858F-□K1

Digital Frequency Meter

Model: RM858F-□K1

Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45

Feature:

1. Display: 4 digital LED display
2. Accuracy: 0.5%±1 digit
3. Auxiliary power: AC 110V±10% 50/60Hz, AC220V±10% 50/60Hz
4. Input signal: 0~ AC 600V
5. Measuring range: 45~55Hz
6. Consumption: <3.2VA
7. Max signal consumption: <0.3VA
8. Operating environment: -10°C~+50°C, humidity: ≤85%
9. Storage environment: -30°C~+60°C, humidity: ≤70%
10. Withstand voltage: >2kV, 1min

Digital Power Factor Meter

Model: RM858PF-□K1

Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45

Feature:

1. Display: 4 digital LED display
2. Accuracy: 0.5%±3 digit
3. Auxiliary power: AC 110V±10% 50/60Hz, AC220V±10% 50/60Hz
4. Input signal: 100V 200V 380V, 0-1A or 0-5A
5. Measuring range: 0-1.00(CorL)
6. Consumption: <3.2VA
7. Max signal consumption: <0.3VA
8. Operating environment: -10°C~+50°C, humidity: ≤85%
9. Storage environment: -30°C~+60°C, humidity: ≤70%
10. Withstand voltage: >2kV, 1min



RM858PF-□K1

Digital Power Meter

Model: RM858P-□K1

Hole size (mm): 111×111, 76×76, 91×91, 67×67, 45×45

Feature:

1. Display: 4 digital LED display
2. Accuracy: 1.0%±1 digit
3. Auxiliary power: AC 110V±10% 50/60Hz, AC220V±10% 50/60Hz
4. Input signal: 100V 200V 380V, 0-1A or 0-5A
5. Measuring range: all ranges
6. Consumption: <3.2VA
7. Max signal consumption: <0.3VA
8. Operating environment: -10°C~+50°C, humidity: ≤85%
9. Storage environment: -30°C~+60°C, humidity: ≤70%
10. Withstand voltage: >2kV, 1min

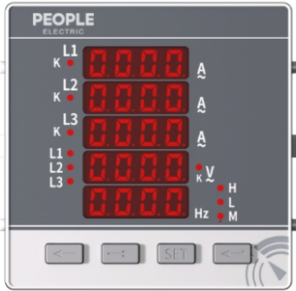


RM858P-□K1

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Digital meter



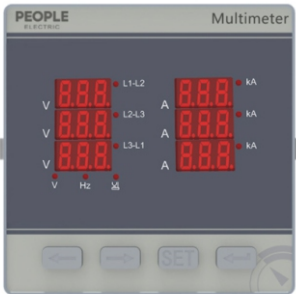
Multi-function Digital Meter

Model: RM05
Hole size (mm): 91×91, 67×67

Feature:

1. Display: 5 digital LED display
2. Accuracy: 0.5%±1 digit
3. Auxiliary power: AC/DC80-265V 50/60Hz
4. Input signal: 0~ AC 450V, 0-5A
5. Measuring range: 45~55Hz
6. Consumption: <3.2VA
7. Max signal consumption: <0.3VA
8. Operating environment: -10°C~+50°C, humidity: ≤85%
9. Storage environment: -30°C~+60°C, humidity: ≤70%
10. Withstand voltage: >2kV, 1min

Multi-function Digital Meter



Model: RM06
Hole size (mm): 91×91, 67×67

Feature:

1. Display: 6 digital LED display
2. Accuracy: 0.5%±3 digit
3. Auxiliary power: AC/DC80-265V 50/60Hz
4. Input signal: 0~ AC 450V, 0-5A
5. Measuring range: 0-1.00(CorL)
6. Consumption: <3.2VA
7. Max signal consumption: <0.3VA
8. Operating environment: -10°C~+50°C, humidity: ≤85%
9. Storage environment: -30°C~+60°C, humidity: ≤70%
10. Withstand voltage: >2kV, 1min