

RM-858E

multi-function power meter



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1.Application

RM858E series multi-function power meter, is applied to power monitor,intelligent control,measure assess of power system,industry and mining enterprise, public building and high-building,and it has advantages of high-accuracy, high-reliability,high cost-effective. This product adopts the high-accuracy specified measure chip and high-reliability MCU design to measure the all electrical parameter of three-phase at the same time: 3-phase voltage(phase/line), 3-phase line, active power,reactive power,power factor,frequency,UIPQ needed amount and bidirectional energy, it has RS485 communicate port,selectable external functional modules.

This series product is normal type product,has measure and calculate functions, equipped with energy pulse output and communicate port. This product has 4 sizes frame, 120 x120,96 x 96 ,72 x 72(mm).

This product has high cost-effective,and can replace the normal power transducer,measure indicate meter,power calculate meter and the related auxiliary unit. As the intelligent,digital collect component of grid front end, it is applied to every control system,SCADA series and energy manage system, and substation automatization,distribute power grid automatization, build power monitor, industry automatization,and cabinets,and it has the advantages of convenient installing,easy wiring,easy maintains,small work, field programmable setting input parameter to complete the different PLC,industry control computer communicate software net-combined.

This product conforms to the standard of GB/T22261.1-2008,GB/T13978-2008.

- measure three-phase all energy U,I,P,Q,PF,F
- active energy and reactive energy measure
- 2 ways energy pulse output
- adopts the micro-processor and digital signal process technology
- adopts each measurement channel has own calculate method
- standard RS485 communicate port, support Modbus-RTU protocol
- blue backlight LCD display
- easy man-machine operation interface
- has easy-install,wiring, maintains, field programmable to input parameter

2.Model No.

	model No.	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 measure	function								
	3-phase voltage	✓	✓	✓	✓	✓	✓	✓	✓
	3-phase current	✓	✓	✓	✓	✓	✓	✓	✓
	active/reactive power	✓	✓	✓	✓	✓	✓	✓	✓
	power factor	✓	✓	✓	✓	✓	✓	✓	✓
	frequency	✓	✓	✓	✓	✓	✓	✓	✓
energy measure	active energy	✓	✓	✓	✓	✓	✓	✓	✓
	reactive energy	✓	✓	✓	✓	✓	✓	✓	✓
	bidirectional measure	✓	✓	✓	✓	✓	✓	✓	✓
	power pulse output	1	2	2	2	1	2	2	2
	switch amount input	Matching	Matching	Matching	Matching	Matching	Matching	Matching	Matching
	switch amount output	Matching	Matching	Matching	Matching	Matching	Matching	Matching	Matching
	analog output	Matching	Matching	Matching	Matching	Matching	Matching	Matching	Matching
	communicate port	1	1	1	1	1	1	1	1
	display mode	LED	LED	LED	LED	LCD	LCD	LCD	LCD
	hole dimension mm	67X67	76X76	91X91	111X111	67X67	76X76	91X91	111X111

note: above "✓" for this model has this item function,"—" for do not have this function

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4.Functional wiring diagram

