

Power Monitoring and Control Device

EM300A-2 series multi-functional power monitoring device

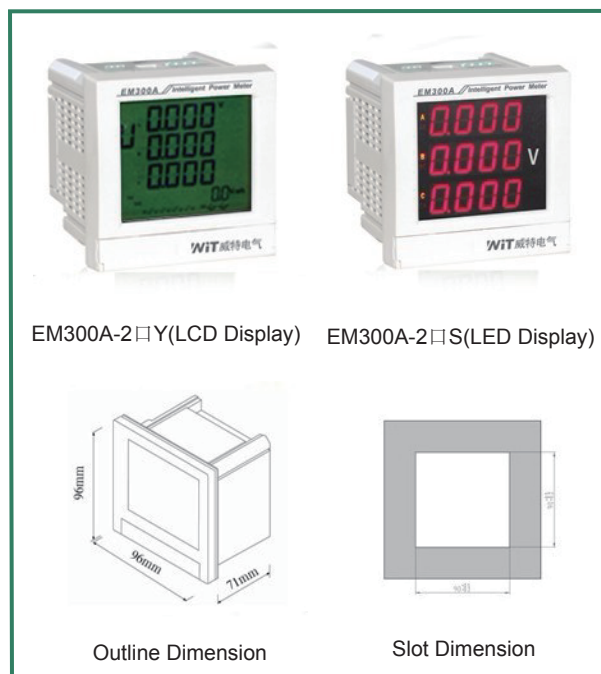
Product General

EM300A series multi-functional power monitoring device is one intelligent panel meter which sets telemetering, telesignalisation, telecontrol into one body, and can be used widely for substation automation, distribution automation, intelligent building, and electric energy measurement, management and check of the enterprise.

EM300A series multi-functional power monitoring device can measure and display all the common power parameters (such as voltage, current, active/reactive/apparent power, frequency, four quadrant electric energy and so on), can set PT/CT multiplying factor, and has various functions such as RS485 communication networking, switching input/output, analog input/output, electricity degrees pulse output and so on. It is high cost performance, can directly replace various meters, relays, transmitters and other components. This meter can communicate digitally with upper computer to form intelligent distribution system together.

EM300A-2 □ □ series intelligent multipurpose power parameter monitoring and control device applies a slim type enclosure of 96*96*71mm, panel mounting type, and can be fixed on the panel of switch cabinet. The cutout dimension is showed as below figure. Considering the length of lead wire, there is a space of 150*150*120mm in the back of panel to install and wiring conveniently.

Functional Configuration



Functional Classification	Item	EM300A							
		-2AY	-2BY	-2CY	-2DY	-2AS	-2BS	-2CS	-2DS
Display Mode	LCD Display	•	•	•	•				
	LED Display					•	•	•	•
Measuring Function	Three phase total energy measurement(U/I/P/Q/S/F/PF)	•	•	•	•	•	•	•	•
IO Function	Switching Input(DI)	2	2	4	4	2	2	4	4
	Relay Output(DO)			2	2			2	2
	4-20mA Analog Input(AI)				1				1
	4-20mA Analog Output(AO)				1				1
	Pulse Output				1				1
Communication	RS485	•	•	•	2	•	•	•	2
Energy Consumption Statistics Analysis	Four Phase Electric Energy	•	•	•	•				
	Multi-rate Statistics		•	•	•				
Data Record	Most Value Statistics		•	•	•		•	•	•
	SOE Event Sequential Record		•	•	•		•	•	•
	Built-in Clock		•	•	•		•	•	•
Data Analysis	Three Phase Unbalance Degree	•	•	•	•	•	•	•	•
	Demand Analysis		•	•	•		•	•	•
Auxiliary Function	Constant Value Out-of-limit System		•	•	•		•	•	•
Electric Energy Quality	Total harmonic distortion (Voltage/Current)			•	•			•	•
	Total harmonic distortion (Odd/Even)			•	•			•	•
	Sub-harmonic ratio			•	•			•	•

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Part Numbers

