

TIANJIN GREWIN TECHNOLOGY CO.,LTD

Power Parameter Monitoring and Control Device

EPM300A-3 series multi-functional monitoring device

Product General

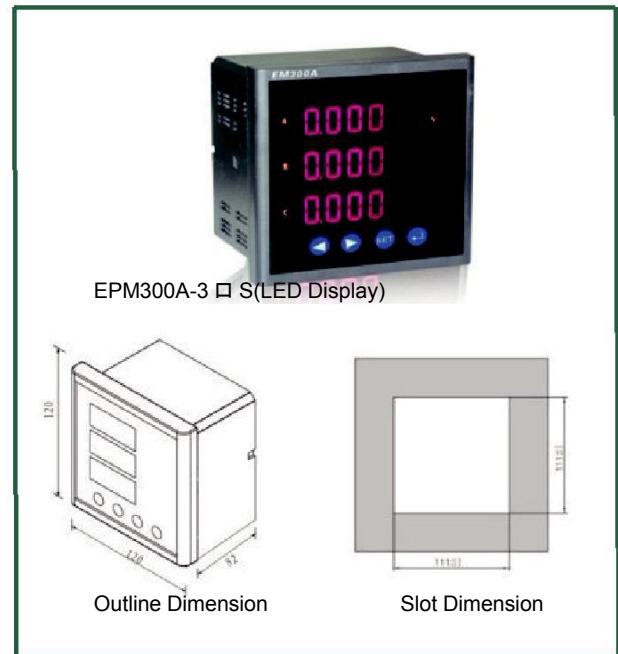
EPM300A series multi-functional power monitoring device is one intelligent panel meter which sets telemetering, tele-signalisation,

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.

EPM300A 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.

EPM300A-3 □ S series intelligent multipurpose power parameter monitoring and control device applies a slim type enclosure of 120*120*82mm, 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*130mm in the back of panel to install and wiring conveniently.

Functional Configuration



EPM
300A
-1

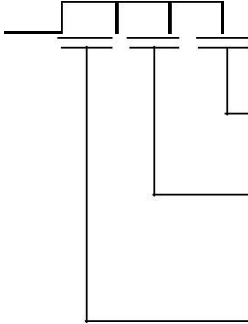
EPM
300A
-2

Functional Classification	Item	EPM300A			
		-3AS	-3BS	-3CS	-3DS
Display Mode	LCD Display				
	LED Display	•	•	•	•
Measuring Function	Three phase total energy measurement(U//P/Q/S/F/PF)	•	•	•	•
IO Function	Switching Input(DI)	2	2	4	4
	Relay Output(DO)			2	2
	4-20mA Analog Input(AI)				1
	4-20mA Analog Output(AO)				1
	Pulse Output				1
Communication	RS485	•	•	•	2
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

EPM300A



Display Modes:
Y: Liquid Crystal Display
S: LED Display

Function Codes:
A: A Type
B: B Type
C: C Type
D: D Type
...:

Auxiliary Code: Indicates the appearance of meter

Appearance Code	Unit (mm)		Outline Dimension
	Frame Dimension	Slot Dimension	
1	96*96	91*91	96*96*60
2	96*96	91*91	96*96*71
3	120*120	115*115	120*120*82

Function Description
A: Multi-functional

Three-phase power meter number code

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