

Energometer-M-DCEM

4 channels
DC energy meter

Description

DCEM are special design for DC circuit metering, multi-channels design can reduced the hardware cost of project. Meter body provide AXU terminal for external Hall CT, accept up to 3000A four channel amp reading and energy consumption value record.

Optional analog, digital, relay and alarm output is available via field-swappable plug-in communications modules. Also provide on-board RS485 serial communication port (MODBUS RTU) to send data to the external systems.



Technical characteristics

Power supply:	
Power Supply	85~265VDC/AC
Consumption	20~60VDC optinal < 4 VA
Measurement:	
Current signal	0 - 4VDC (hall CT access)
Hall CT external AUX	+/-15V
Voltage signal	Typical 300V Max up to 1000V
Measurement channel	4 channels
Precision	0.5 class (depends on CT)
Isolation:	
Insulation Resistor	>100MΩ
	AC 2kV / 1min between AUX to current signal / DI / RS485
	AC 1kV / 1min between current signal to DI / RS485
	AC 2kV / 1min between voltage to AUX / DI / RS485
Communication port	
Digital Link	RS485 MODBUS-RTU
DO port	2 channels (Optional)
DI port	4 channels (Optional)
	Ri<500Ω ON / Ri>100kΩ OFF
Other:	
Ambient Temp. / Humi.	-10 ~ 55 C / ≅93% RH
Dimensions	87.3*132*46.5mm(L * H * D)

Typical wiring

