

ePrecision S/XS/S(X) 9000

Digital Energy Meter (LED) for Active/Reactive/Combination Energy



Main features

Programmable PT and CT ratio

Analog output (optional)

Energy pulse output (optional)

RS-485 communication port (optional)



Measured Parameters

No.	Variables	Contents	Direction	Display(Max.)	Accuracy
1	Current	I_a, I_b, I_c, I_{avg}		9999KA	Class 0.2
2	Reactive Power	$var_a, var_b, var_c, var_{\Sigma}$	Directional	9999Mvar	Class 0.5
3	Active Energy	kWh	Directional	9999999.99kWh	Class 1
4	Reactive Energy	Kvarh	Directional	9999999.99kvarh	Class 2

Technical Specifications

Electrical Connections:	Single phase, 3-Ph 3 Wire , 3-Ph 4 Wire
Input Voltage:	0 ~ 400VAC (L ~ N) , Direct Input
Input Current:	0 ~ 5A
Frequency:	50Hz/60Hz
Power Factor:	0.5 (Capacitive) ~1 ~0.5 (Inductive)
Accuracy Class:	Active Energy : Class1, IEC61036 Reactive Energy: Class2, IEC62053-23 Analog Output: Class 0.5, IEC60688
Overload Capacity:	Voltage 2X, 2sec. Current 10X, 1sec.
Display:	8 digits LED display
Metric direction:	Bi-directional
Output:	kWh/kvarh pulse output kWh/kvar analog output: 0V-5V, 4mA-20mA(optional) RS-485 (Modbus Protocol, optional)
Isolation:	Galvanic isolation on all inputs, outputs and power supply.
Energy Meter Constant:	1000 imp/ kWh
Auxiliary Power Supply:	24V ~ 80VAC/DC; 85V ~ 265VAC/DC
Power Consumption:	< 5VA
Operating temperature:	-20°C~+60°C
Storage temperature:	-40°C~+85°C
Humidity:	5~95%RH, non-condensing
Dimensional size:	96mm × 96mm × 78mm
Installation size:	91mm×91mm