

S230B 3ph Multi-function PM

FEATURES



More than a power meter
AC power analysis
Voltage & current phase relationship
Vector Sum of Current
Clamp size: $\Phi 8\text{mm}$



SPECIFICATIONS

Functions	The device can measure three-phase AC voltage, current, the phase between voltage, the phase between current, the phase between voltage and current, frequency, phase sequence, active power, reactive power, apparent power, power factor, current vector sum, and distinguish transformer wiring group, inductive power, and capacitive circuits, test secondary circuits and busbar differential protection system, identify phase relationship between different groups of CT of differential protection, and verify the connections of watt-hour meter
Power	DC 7.4V, 3000mAh rechargeable Li-battery, USB charging port, can work for up to 10h when fully charged
Rated Current	180mA Max
Dimension	207mm×101mm×54mm
Jaw Size	$\phi 7.5\text{mm} \times 13\text{mm}$
Sampling Rate	Approx 3 times/sec
Measurement Range	AC voltage: 0.00V to 600V
	AC current: 0.0mA to 30A
	Phase Angle: 0.0° to 360.0°
	Frequency: 45.00Hz to 65.00Hz
	Active Power: 0.0W to 12kW
	Reactive Power: 0.0VAR to 12kVAR
	Apparent Power: 0.0VA to 12kVA
	Power Factor: -1 to 1
Resolution	Current Vector Sum: 0mA to 60A
	Voltage: AC 0.01V
	Current: AC 0.1mA
	Phase Angle: 0.1° Frequency: 0.01Hz
	Active Power: 0.1W
	Reactive Power: 0.1VAR

Resolution	Apparent Power: 0.1VA
	Power Factor: 0.001
	Current Vector Sum: 1mA
Accuracy (26°C ± 3°C, Below 70%RH)	Voltage: ±(0.5% measurement range)
	Current: ±(0.5% measurement range)
	Phase: ±1° (phase error under working conditions: 10mA to 30A is ±3°; below 10mA ±5°; when the current value is lower than 5mA, to ensure accurate current-to-current phase measurement, please do not perform voltage measurement. During the phase test of voltage versus current, to ensure the accuracy of the measurement, the voltage should be no less than 5V and the current should be no less than 5mA)
	Active Power: ±(1.0% measurement range)
	Reactive Power: ±(1.0% measurement range)
	Apparent Power: ±(1.0% measurement range)
	Frequency: ±(1.0% measurement range)
	Power Factor: ±0.03
Phase Sequence	Normal Phase Sequence: U1, U2, U3 or I1, I2, I3 cursor flashes from left to right in sequence
	Negative Phase Sequence: U1, U2, U3 or I1, I2, I3 cursor flashes from right to left in sequence
Data Save	99 sets
Charger	USB charger port
Weight	Main Unit: approx. 447g (including battery)
	Current Clamp: approx. 178g×3
	Testing Wire: approx. 162g x2
	Total: approx. 3.439kg
Length of Testing Lead	1.5m
Length of Clamp Lead	2m
Input Impedance	The test voltage input impedance: 1MΩ
Withstand Voltage	The withstand voltage is 1000V/50Hz for 1 minute (between the front and back end of the housing)
Insulation	≥100MΩ (between the front and back end of the housing)
Safety Standards	IEC61010-1 CAT III 600V, IEC61010-031, IEC61326, Pollution class II



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