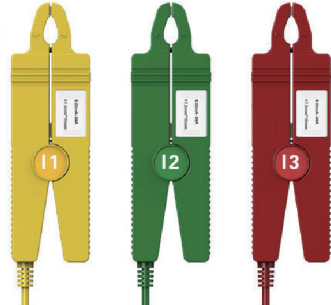


S230B 3ph Multi-function PM



- 3.5-inch true color LCD display
- Compact, easy to carry
- Power analyzer
- Easy-to-use current clippers
- Vector display
- Versatile

DESCRIPTION

S230B is more than an electric power meter. Combining the functions of a clamp meter, phase sequence detector, and digital power meter, it is an ideal instrument for efficient power quality inspections. The instrument is tailored to conduct measurements of a 3 phase AC power system, which has 3 current clamps and 4 test leads. In addition, not only can it be used for measurements of frequency, phase sequence, voltage, current, the phase between voltages, the phase between currents, and phase between current and voltage of a 3 phase AC system, it can also be used to measure active power, reactive power, apparent power, power factor, current vector and, identify vector group of transformers, differentiate inductive and capacitive circuits, test the secondary circuit and differential busbar protection systems, determine the phase relationship between the differential protection CT groups and verify the configuration of the watt-hour meter.

APPLICATION


Besides effectively performing basic tasks like measuring power and power factor, S230B offers the ease of use, portability, and flexibility needed to resolve most power issues in commercial, industrial, and residential settings. It is especially suitable for electrical parameter testing of high-power three-phase motors, electric energy billing systems, and relay protection systems.

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
Display	3.5-inch true color LCD
Dimension	207mm×101mm×54mm
Jaw Size	φ7.5mm×13mm
Sampling Rate	Approx 3 times/sec
Measurement Range	AC voltage: 0.00V ~ 600V
	AC current: 0.0mA ~ 30A
	Phase Angle: 0.0° ~ 360.0°
	Frequency: 45.00Hz ~ 65.00Hz
	Active Power: 0.0W ~ 12kW
	Reactive Power: 0.0VAR ~ 12kVAR
Resolution	Apparent Power: 0.0VA ~ 12kVA
	Power Factor: -1 ~ +1
	Current Vector Sum: 0mA ~ 60A
	Voltage: AC 0.01V

Resolution	Current: AC 0.1mA
	Phase Angle: 0.1°
	Frequency: 0.01Hz
	Active Power: 0.1W
	Reactive Power: 0.1VAR
	Apparent Power: 0.1VA
	Power Factor: 0.001
Accuracy (under reference conditions)	Current Vector Sum: 1mA
	Voltage: ±(0.5% measurement range)
	Current: ±(0.5% measurement range)
	Phase: ±1° (phase error under working conditions: 10mA~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
Reverse Phase: U1, U2, U3 or I1, I2, I3 cursor flashes from right to left in sequence	
Detection Rate	2 times/sec
Data Hold	Press the HOLD key to lock and save data
Data Save	99 sets
Charger	USB charger port
Automatic Shutdown	For power saving, the device will mpower off automatically if 15min without operation
Backlight	Yes, the brightness of the backlight is adjustable
Low Battery Warning	When the battery voltage is low, the low battery sign will be displayed, please charge the battery when possible, otherwise, the device will turn off in 10 seconds
Weight	Main Unit: approx. 447g (including battery)
	Current Clamp: approx. 178g×3
	Testing Wire: approx. 162g x2
	Total: approx. 3.439kg
Length of Testing Line	1.5m
Length of Clamp Line	2m
Ideal Working Conditions	-10℃ ~ 40℃; below 80%RH
Ideal Storage Conditions	-10℃ ~ 60℃; below 70%RH
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)
Structure	Double insulation with insulated shockproof sheath
Safety Standards	IEC61010-1 CAT III 600V, IEC61010-031, IEC61326, Pollution class II

ACCESSORIES & ORDER DATA

Description	Order Code	Description	Order Code
S230B 3ph Multi-function PM, 1 pc	S230B	Included accessories for S230B	
		Tool box, 1 pc	
		Current clamp, 3 pcs	
		Test wire, 4 pcs	
		USB charger and cable, 1 set	
		Li-battery, 1 pack (in device)	
		Software (e-copy), 1 pc	
		User manual, Warranty card, Certificate of Conformity, 1 copy of each	

SALES OFFICE

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S230B

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