

FR2010+ Double Clamp Digital Phase Voltammeter



I . Characteristic

FR2010+ double-clamp digital phase voltammeter is a high-quality, multi-function, high-precision, portable handheld measuring instrument specially designed for on-site measurement of voltage, current, frequency and phase. It is widely used in electric energy measurement, electricity inspection, electric power inspection, meter installation and power connection and relay protection, differential detection, start-up test, industrial and mining enterprises, scientific research institutions and other departments. The instrument test is accurate, fast, simple, stable and reliable.

FR2010+ double clamp digital phase voltammeter can not only directly measure AC voltage value, AC current value, phase and power frequency between voltages, currents, and voltages and currents, but also have other measurement and judgment functions. The judgment of current and capacitive circuits, checking the wiring group of the transformer, and checking whether the electric energy meter is connected correctly is an ideal instrument for grasping the power usage and checking the secondary circuit. It is safe and reliable that the two common terminals of the instrument are not connected together.

II . Technical Specification

Features	Measure two-way AC voltage, current, phase between voltages, phase between currents, phase between voltage and current, frequency, identify transformer wiring group, inductive, capacitive circuit, test secondary circuit and bus differential protection system, read out differential protection Phase relationship between each group of CTs, check whether the wiring of the watt-hour meter is correct or not, repair line equipment, etc.		
Power supply	3.7V lithium battery		
Power consumption	When the backlight is turned on, the maximum power consumption is 30mA, and the battery can work continuously for more than 12 hours		
Display mode	LCD display, 72×55mm		
Meter size	Length, width and thickness: 187*119*48mm		
Jaw size	Φ8mm		
Voltage range	AC 0.00V~600V	Resolution: 0.01V	Accuracy: ±0.5%FS
Current range	AC 0.0mA~20.0A	Resolution: 0.1mA	Accuracy: ±0.5%FS
Phase range	0.0°~360.0°	Resolution: 0.1°	Accuracy: ±1°

Frequency range	45.00Hz~65.00Hz	Resolution: 0.01Hz	Accuracy: ±0.5Hz
Detection rate	About 2 seconds/time		
Data retention	During the test, press the HOLD key to keep the data, and the "H" symbol will display		
Automatic shut-down	The meter shuts down after about 15 minutes of inactivity		
Backlight function	Suitable for dark places and night use		
Voltage detection	When the battery voltage is lower than 3.2V, the battery voltage low symbol is displayed		
Instrument quality	Host: 362g (with battery installed)		
	Needle-nose current clamp: 180g×2		
	Test line: 190g		
Test lead length	1.5m		
Current clamp wire length	2m		
Silicone protective cover	Have		
Working temperature and humidity	-10℃~40℃; below 80%Rh		
Storage temperature and humidity	-10℃~60℃; below 70%Rh		
Input resistance	Test voltage input impedance: 1MΩ		
Pressure resistance	Withstand 1000V/50Hz sine wave AC voltage between instrument circuit and enclosure for 1 minute		
Isolation	Between instrument line and shell ≥100MΩ		
Structure	Shell insulation		
Suitable for safety regulations	IEC61010-1 CAT III 600V, IEC61010-031, IEC61326, pollution degree 2		

III. Packing List

Instrument	1 set
Current clamp	2
Instrument box	1
Test line	4 (two red and two black)
Charger	1
Manual, Warranty	1 set

GuangZhou ZhengNeng Electronics Technology Co.LTD

Address: 4th Floor, No. 771, Guangcong Eighth Road, Changyaoling Village, Zhongluotan Town, Baiyun District, Guangzhou, China

Tel: 86-20-36544172

E-mail: sales@fuzrr.com

Post code: 510540

Website: <https://www.fuzrr.com>