



Product Function

Transformation ratio measurement; transformation ratio polarity display; voltage measurement; primary current and secondary current measurement; voltage and current waveform display; phase between primary current and secondary current, phase between each current and voltage; frequency measurement; Active power, reactive power, power factor measurement; harmonic measurement.

Product Features

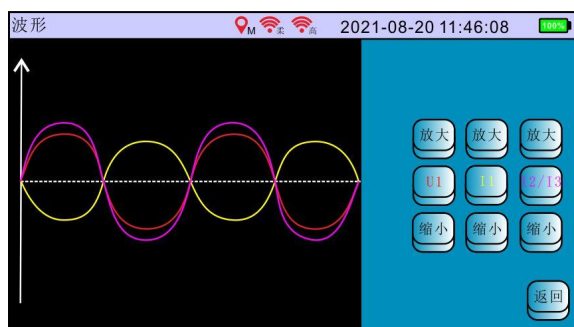
1. The tester consists of handheld host, small clamp current sensor, flexible current sensor, high voltage clamp current sensor, insulating rod, and voltage test lines.
2. The host adopts 5-inch touch color screen, which is easy to operate, and multiple measurement parameters can be displayed on the same screen.
3. The flexible current clamp, high-voltage current clamp and the host adopt two measurement modes: wireless communication and wired connection.
4. Real-time display the histogram, voltage and current waveform, and distortion rate of harmonic components.
5. With GPS positioning function.
6. With USB interface and host computer software, the test results can be uploaded to the computer for data analysis and historical record query.
7. With Bluetooth function, install APP to test and view the test results on the mobile.

高压端测试			<div><div></div><div></div></div> 2021-08-20 11:46:08		100%		
	基波	全波	13钳电量: 88%		测试类型: <div>有线</div> <div>无线</div>		
电压U1	20.071V	20.071V	U1畸变率	0.25%			
电流I1	7.1152A	7.1210A	I1畸变率	4.04%			
电流I3	7.115A	7.121A	I3畸变率	26.34%			
有功功率P			141.8557W	141.9164W	U1频率	50.0025Hz	相位测量选择: <div>U1I1</div> <div>U1I3</div>
无功功率Q			-16.5463W	-16.5469W	I1频率	50.0021Hz	
视在功率S			142.8182W	142.9334W	I3频率	50.0244Hz	谐波分析 <div>波形显示</div> <div>返回</div>
U1I1间相位		352.1	比差		-98.09%		
U1I3间相位		0.0	角差		0.0		
功率因数		0.9924	变比值		1	5/5	
I1I3间相位		0.0	极性		Err		
目前测试类型:			相位测量选择: U1I1		已用0	可用2000 容量2000	

Transformation ratio and electrical parameter testing

谐波分析				2021-08-20 11:46:08		98%
12次谐波	0.170%	13次谐波	0.135%	22次谐波	0.136%	
3次谐波	0.273%	14次谐波	0.136%	23次谐波	0.220%	
4次谐波	0.161%	15次谐波	0.242%	24次谐波	0.174%	
5次谐波	10.096%	16次谐波	0.235%	25次谐波	0.080%	
6次谐波	11.778%	17次谐波	0.126%	26次谐波	0.355%	
7次谐波	13.943%	18次谐波	0.077%	27次谐波	0.144%	
8次谐波	15.812%	19次谐波	0.432%	28次谐波	0.266%	
9次谐波	0.147%	20次谐波	0.194%	29次谐波	0.266%	
10次谐波	0.126%	21次谐波	0.104%	30次谐波	0.134%	
11次谐波	0.101%	31次谐波	0.362%	31次谐波	0.244%	
谐波分析选择: U1				I1	I2/I3	
目前谐波分析: 12				返回		

Harmonic analysis



Current and voltage waveform

历史记录				2021-08-23 16:46:32		98%
序号	测试日期	经纬度	测试类型	Help		
1	2021-07-15 16:06:36	N23.16 E113.19	高压			
2	2021-08-22 15:19:17	None	柔性			
3	2021-08-23 16:31:36	N23.16 E113.19	柔性			
0						
0						
0						
0						
0						
0						
已用3 可用1997 容量2000						

History record

Technical Specification

Voltage Range & Accuracy (U)	Range: 0V~600V; Resolution: 0.001V; Accuracy: $\pm 0.3\%F_s$
Small Current Clamp Sensor Range & Accuracy (I1)	Range: 0A~10A; Resolution: 0.1mA; Accuracy: $\pm (0.3\%red+0.2\%F_s)$
Flexible Current Sensor Range & Accuracy (I2)	Range: 0A~3000A; Resolution: 0.01A; Accuracy: $\pm (0.5\%red+0.5\%F_s)$
High Voltage Clamp Current Sensor Range & Accuracy (I3)	Range: 0A~600A; Resolution: 0.001A; Accuracy: $\pm (0.3\%red+0.2\%F_s)$
Transformation Ratio Measurement Range	Range: 1~9999; Resolution: 1
Transformation ratio parameters judgment	Yes
Phase Measurement Range & Accuracy	Range: 0~360°; Resolution: 0.1°; Accuracy: $\pm 3^\circ$
Frequency Range & Accuracy	Range: 45Hz~65Hz; Resolution: 0.0001Hz; Accuracy: $\pm 0.05Hz$
Active Power	Range: 0W~1800kW; Resolution: 0.1mW; Accuracy: $\pm 0.3\%F_s$
Reactive Power	Range: 0Var~1800kVar; Resolution: 0.1mVar; Accuracy: $\pm 0.3\%F_s$
Power Factor	Range: -1.0000~1.0000; Resolution: 0.0001
Harmonic Measurement	2~31 times
Current & Voltage Waveform Display	Yes
Hot Power Supply	Lithium battery 7.4V 5200mAH
Flexible Current Sensor & HV Clamp Current Sensor Power Supply	Lithium battery 7.4V 600mAH
Host Dimension	210mmX129mmX68mm
Small Clamp Current Sensor Size (I1)	Jaw Size: 17mmX18mm Shape Size: 137mmX40mmX19.5mm
Flexible Current Sensor Size (I2)	Jaw Size: $\varnothing 200mm$ Shape Size: 200mmX245mmX13mm
HV Clamp Current Sensor Size (I3)	Jaw Size: $\varnothing 48mm$ Shape Size: 255mmX95mmX39mm;
Insulation Rod Dimension	About 4300mm
Instrument Weight	Total Weight: 5.5kg (include insulation rod and package)
Sampling Rate	2 times/second
Current Sensor Wireless Transmission Distance	40m
Data Storage	2000 groups, Numbering and store automatically (Power down or replace the battery will not lose data)
Data Upload	With USB interface, communication cable and software, storage data can be uploaded to computer for reading, saving, printing and so on.
Bluetooth Function	Yes, support Android system, after installing APP, can operate testing and view test results on the mobile.
GPS Positioning Function	Yes
Automatic Shut Down	15 minutes after boot up, the meter shuts down automatically without any operation
External Interference	Should avoid extremely strong electromagnetic fields, avoid 315MHz, 433MHz same-frequency signal interference
Working Temperature	-15°C~50°C; Below 70%RH
Accessories	Host: 1PCS; HV current clamp: 1PCS; Flexible current clamp: 1PCS; Small clamp current clamp: 1PCS ; Voltage test cable: 2PCS ; Alligator clip: 2PCS; Probe: 2PCS; Current clamp connection cable: 1PCS ; Charger adaptor: 2PCS; USB communication cable: 1PCS; Telescopic insulation rod: 1PCS; Tool bag: 1PCS

