

Power Electric Tester

III. TH3300 Series Digital Power Meter

Features

- 24-bit color 4.3-inch 480 x 272 color LCD screen, English and Chinese interface
- PLL (phase-locked loop) technology, faster measurement speed
- AC and DC test
- Wide current measurement range
- Input signal waveform display: Voltage and current can be displayed simultaneously or separately
- Higher measurement accuracy and faster data update rate
- Rich display mode:
 - Traditional four-window display
 - Full parameter full screen display
- Higher frequency test range and wider frequency response
- Multiple harmonic analysis display modes: List mode, Histogram
- Data Record Function



RS232	USB HOST	USB DEVICE	HANDLER	RS485
standard	standard	standard	standard	option

Rack mount (mm):215mm(W)x88mm(H)x335mm(D)
 Dimension (mm):235mm(W)x105mm(H)x360mm(D)
 Net weight: 3.6kg

Application

- Appliances
 - TV, refrigerator, air conditioner, washing machines, vacuum cleaners, water heaters and other power efficiency testing
- Industry
 - Electric machinery, motor, transformer, charger, power and other power test
- Lighting
 - Lighting appliances, LED lamps and other power test
- New energy
 - Photovoltaic modules, electric vehicles, wind power and other power test

Specifications

Model		TH3311	TH3312	TH3321	TH3331
Display		4.3-inch color TFT display			
Connection mode		Single phase			
Basic features	AC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	DC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Precise	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Micro current	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Wide current	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Harmonic Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Power test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Display mode	Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Oscillogram	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Harmonic histogram	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic accuracy		0.15% reading + 0.2% range +1 digit			
Voltage	Range	5V-75V/150V/300V/600V			
	Resolution	0.01V			
Current	Range	10mA/30mA/100mA/400mA/1.5A/5A/20A	1mA/3mA/10mA/40mA/150mA/500mA/2A	10mA/30mA/100mA/400mA/1A/3A/10A/40A	
	Minimum resolution	1mA	1uA	1mA	
Power	Range	0.01W-12kW	0.01mW-1.2kW,6-class energy efficiency		0.01W-24kW
	Minimum resolution	0.01W	0.001mW		0.01W
Frequency	Range	Fundamental frequency range : DC/45Hz-400Hz, Bandwidth : 21kHz, filter 5kHz			
	Minimum resolution	0.01Hz			
Power factor	Range	0.001-1.000			
	Minimum resolution	0.001			
Harmonic Analysis		-----	± (5% of reading + 0.3% of range)		
Power integral	Range	0-99999kWh			
	Resolution	0.001Wh			
	Accuracy	± (0.2% of reading + 0.3% of range)			
Power timing	Range	0-9999:59:59			
	Resolution	1s			
	Accuracy	±0.05%			
Measurement speed		3 times / sec	DC: 3 times / sec, harmonic function on: 2 times / sec		
Lock function		Data lock			
Range mode		AUTO / MAN			
Input impedance		≥ 1MΩ (all voltage profiles)			
Comparator		limit sound, light alarm			
Output		Relay output			
Communication Interface		RS232C/RS485, USB DEVICE, USB HOST, HANDLER			
Storage		USB waveforms, set files			