

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"/>
	DC	<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"/>
	Micro current	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Wide current	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Harmonic Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Display mode	Power test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Data	<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"/>
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	10μA	1μA	10μA
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			