



Digital Power Meter TH3300 Series

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

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



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

- 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	☒	☒	☒	☒
	DC	☒	☒	☒	☒
	Precise	☒	☒	☒	☒
	Micro current	☐	☐	☒	☐
	Wide current	☐	☐	☐	☒
	Harmonic Analysis	☐	☒	☒	☒
	Power test	☒	☒	☒	☒
Display mode	Data	☒	☒	☒	☒
	Oscillogram	☒	☒	☒	☒
	Harmonic histogram	☐	☒	☒	☒
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	1uA	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			

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