

DT-9583/9585

2000A Power Quality Clamp Meters with 80x80 InfraRed Thermal Imager

CEM



9583/9585 integrates clamp meter, power measurement, oscilloscope display, data recording and harmonic analysis into one measuring equipment, suitable for various on-site power testing, electronic circuit maintenance, network power quality evaluation, three-phase power measurement and harmonic analysis, using bright color display. Built-in power quality records, trend analysis, etc., convenient for users to measure and use.

Features

- 2.4" TFT color 6000 counts display with 240x320 pixels for easy and clear viewing of images and readings
- Built-in Thermal imager feature quickly identifies hot spots without contact (9585)
- True RMS measurement for ACV / ACA / LoZ for ACV measurement
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- 1.4" (37mm) Large jaw opening
- Flexible current probe (320B/320BS optional) expands the measurement range to 3000 ACA
- AC, AC+DC True RMS measurement & 1KHz ACV, ACA bandwidth
- Peak Voltage & Inrush current
- Min/Max/Avg with Time stamp (records signal fluctuations)
- With Bluetooth connect to phone App for documentation reporting and sharing
- Display waveform and trend graph
- Double molded plastic housing for safe testing and flashlight for dark location
- Harmonic failure analysis & Three-phase energy measurement
- Analyze and record harmonics in digital or graphical form

- TFT color LCD display
- 6000 counts



Thermview+



Model 9585

Specifications

				9583	9585
Thermal Imager					
IR resolution	80x80 pixels				*
Field of View (FOV)	21° x 21°				*
Thermal sensitivity/NETD	< 0.08°C /80mK				*
Image frequency	50Hz				*
Object temperature range	-20 to 260°C (-4 to 500°F)				*
Spectral range	8-14 μm				*
Color palettes	Iron/Rainbow/Grey/Grey Inverted/Feather				*
Accuracy	±2°C (±3.6°F) or ±2% of reading				*
True RMS Multimeter Functions					
Function	Maximum	Max. resolution	Best Accuracy		
Voltage DC	1500V	100mV	±(0.5% + 5d)	*	*
Voltage AC	1000V	100mV	±(1.2% + 5d)	*	*
Current DC	2000A	0.01A	±(2% + 8d)	*	*
Current AC	2000A	0.01A	±(2.5% + 5d)	*	*
Flexible A	3000A	0.01A	±(3.0% + 5d)	*	*
Resistance	60MΩ	0.1Ω	±(0.8% + 5d)	600kΩ	*
Frequency	10kHz	0.01Hz	±(0.2% + 5d)	*	*
Inrush Current	2000A	1A		*	*
Temperature	1000°C/1832°F		±(1.5%+3°C)	*	*
Diode & Continuity	Yes			*	*
Voltage and Current Harmonics					
Harmonic order Fundamental frequency (45Hz ~65Hz)	DC	±(5.0%+20d)		*	*
	H1~H25	±(5.0%+10d)		*	*
	H25~H30	±(10%+5d)		*	*
	THD%	±(8.0%+10d)		*	*
Power					
DC Power	999.9KW	±(3.5%+5d)		*	*
Active AC Power	999.9KW	±(2.0%+5d)		*	*
Apparent AC Power	999.9KVA	±(2.0%+5d)		*	*
Active Energy AC	999.9KWh	±(2.0%+5d)		*	*
Power Factor	-1.0 ~ 0, 0 ~ 1.0	±(3% + 1d)		*	*
Displacement power factor	0.3~1	±3°		*	*



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EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

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Size(HxWxD): 95mm x 270mm x 42mm Weight: 550g

Accessories: Test leads, gift box with carrying case, Temperature probe Li-ion rechargeable battery, AC Charger