

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
- Bult-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 stemp (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

Specifications

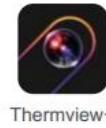
| Thermal Imager | | 9583 | 9585 |
|--------------------------|---|------|------|
| IR resolution | 80x80 pixels | | * |
| Field of View (FOV) | 21° x 21° | | * |
| Thermal sensitivity/NETD | < 0.08°C /80mK | | * |
| Image frequency | 50Hz | | * |
| Object temperature range | -20 to 260°C (-4 to 500°F) | | * |
| 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) |
| 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 | | | | |
|------------------------------------|---------|---------------|---|---|
| | DC | ±(5.0% + 20d) | * | * |
| Harmonic order | H1~H25 | ±(5.0% + 10d) | * | * |
| Fundamental frequency (45Hz ~65Hz) | 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 | 999.9KWA | ±(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° | * | * |

- TFT color LCD display
- 6000 counts



Model 9585



CE
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9583

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