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CEM

CEM DT-9581

Clamp Meter With Thermal Imager



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DT-9581

Clamp Meter with built in Thermal Imaging Camera

The CEM DT-9581 is a True RMS industrial clamp meter with built-in thermal imaging camera, and a large TFT LCD Colour display. It provides fast A/D conversion sample times with high accuracy. Using the DT-9581 it becomes very easy to find and solve issues with production equipment, it is also more efficient as the user does not have to carry two equipments, also since the user is able to see the measurement readings along with the thermal image, it becomes very easy and efficient for the user to detect the exact nature and location of issues and also to highlight the areas of potential future issues for preventive maintenance.

With features like Built in thermal imaging camera, AC current measurement through Flexible Clamp up to 3000A, Non-contact voltage detector, Bluetooth data transfer with datalogging and trend capture, Lo-Z, Inrush current, VFD measurement and built in flashlight to access the dark areas, it is a ultra-efficient and indispensable tool for any technician.

FEATURES

- 6000 Count 2.4" TFT Colour LCD display, with Bargraph
- Built-in Thermal imager with Max, Min and Center crosshair targeting
- 50Hz fast Thermal image frame rate
- DC Current
- AC TRMS Current
- DC Voltage
- AC, AC+DC TRMS Voltage
- Resistance and Continuity Test
- Diode Test
- Capacitance
- Frequency
- Duty Cycle
- Temperature with K-type probe
- Measure up to 3000A through Flexible Clamp
- Lo-Z Function
- Inrush Current
- VFD Measurements
- Relative Measurement
- Data Hold Function
- Non Contact Voltage Detector
- Built in laser for pin point targeting
- In-Built Flashlight to access Dark Areas
- Field Replaceable, Rechargeable battery with external battery charger
- MAX / MIN / PEAK Record
- Bluetooth 4.0 Interface

SPECIFICATION

Professional T-RMS Industrial Digital Multimeter with Built-in Thermal Imager

6000 Counts 2.8" inches TFT Colour Display

Double moulded injection body, built-in flashlight to access dark areas

Built in Flash Light to access dark areas

Non Contact Voltage Detector

Bluetooth interface

Clamp Jaw Dia 48mm

In-rush Current Measurement

Lo-Z Measurement

Flexible Coil to Measure up to 3000A

Smartphone App available on Apple Appstore and Google Play Store for remote access of Multimeter and Thermal Imager,

Thermal images and Clamp meter parameters, instant report generations and sharing

AC Bandwidth: 50 to 1000Hz

Auto Power Off

MIN/MAX/AVG/PEAK Record

Data Hold

AC, DC and AC+DC Measurement in Voltage

IR Resolution 80 x 80 pixels

FOV: 21° X 21°

Image Frequency: 50Hz

Focus Free

Temperature: -20°C to 260°C

DC Voltage: 0 – 600m / 6 / 60 / 600 / 1000V

Accuracy: ± 0.8%

AC Voltage (T-RMS): 0 – 6 / 60 / 600 / 1000V

Accuracy: ± 1.2%

DC Current: 0 – 60 / 600 / 1000A

Accuracy: ± 2.0%

AC Current (T-RMS): 0 – 60 / 600 / 1000A

Accuracy: ± 2.5%

Resistance: 0 – 600 / 6k / 60k / 600k / 6M / 60M.Ohms

Accuracy: ± 1.0%

Capacitance: 0 – 60n / 600n / 6u / 60u / 600u / 6000u / 60m / 100mF

Accuracy: ± 3.0%

Frequency: 0 – 10MHz

Accuracy: ± 0.2%

Duty Cycle: 10.0% to 90%

Accuracy: ± 0.1%

Temperature (Through K-Type probe): -40°C to 1000°C

Accuracy: ± 1.5%

Diode and Continuity Test Facility

DT-9581

Clamp Meter with built in Thermal Imaging Camera

Accessories: Test Leads, Rechargeable Battery Pack

