

Flir Imaging Clamp Meter

NEW

- Measure to 600A TRMS AC/DC
- Built-in thermal imager to visually identify problems
- Laser & crosshair to pin point image location
- Center point temperature measurement
- Narrow jaw fits tight spaces
- Built-in work light
- VFD mode for testing variable frequency drives
- LoZ voltage mode
- Inrush current check
- Frequency, capacitance, resistance functions
- Continuity & diode test
- Expandable to 3000A AC
- 10 year warranty



CM174

ORDERING INFORMATION

FLIR CM174	Imaging 600A AC/DC Clamp Meter
FLIR TA72	Universal Flex Current Probe 10"(25cm)
FLIR TA74	Universal Flex Current Probe 18"(45cm)
FLIR TA15	Soft Sided Carrying Case
FLIR TA55	Line Splitter
FLIR TA52	Magnet Mount

SPECIFICATIONS

Imaging Detector:	FLIR Lepton® microbolometer, 4800 pixels (60 × 80)	
Field of View (V x H):	38.6° x 50.0°	
Color Palettes:	Iron, Rainbow, Grayscale	
Image Frame Rate:	9Hz	
Temperature Measurement:	Center point of thermal image	
Temperature Range:	-13°F to 302°F (-25°C to 150°C)	
Distance to Spot Ratio:	30:1	
Temperature Accuracy:	±5.4°F (3°C) or ±3% of rdg	
Spectral Response:	8 to 14μm	
Temperature Targeting:	Class 1 Laser Pointer and Crosshair on display	
Emissivity Settings:	4 Presets with Custom Adjustment	
Electrical Measurements	Range	Basic Accuracy
AC/DC Voltage:	1000V	±1.0%
VFD AC Voltage:	1000V	±1.0%
LoZ Mode AC Voltage:	1000V	±1.0%
LoZ Mode DC Voltage:	1000V	±1.0%
DC Current:	600.0A	±2.0%
AC Current:	600.0A	±2.0%
VFD AC Current:	600.0A	±2.0%
Inrush AC Current:	600.0A	±3.0%
Frequency:	60.00kHz	±0.1%
Resistance:	6000Ω	±1.0%
Continuity:	600.0Ω	±1.0%
Capacitance:	1000μF	±1.0%
Diode Test:	1.5V	±1.5%
Inrush Threshold:	0.5A min, 100ms integration time	
Display:	6000 count, 2.0" (50mm) Color TFT	
Jaw Opening:	1.38" (35mm), 1250MCM	
Category Rating:	CAT IV-600V, CAT III-1000V	
Certifications:	UL	
Dimensions:	61 x 111 x 40 mm; Probe: 104 x 34 x 20 mm w/ 700 mm cable	
Accessories Included:	4 AAA batteries, silicone test leads, quick start guide, user manual	

Amprobe Clamp Multimeter

NEW

- Dual display shows volts and amps concurrently
- True-RMS AC for accurate measurements
- Low pass filter for current & voltage measurements on variable frequency drives
- Amp-Tip function for precise low current measurement down to 0.1 amp
- HVAC applications with temperature, DC micro-amps & capacitance
- Non-contact voltage detection
- In-rush current
- Audible continuity & diode test
- Type K thermocouple
- Data hold
- Auto ranging
- Auto power off
- Low battery indicator



ACD-14-PRO

SPECIFICATIONS

	Range	Accuracy
AC Voltage (True-RMS):	0.0 to 600.0 V	±1.0% + 5LSD (50 to 60 Hz)
DC Voltage:	0.0 to 600.0 V	±1.0% + 5LSD
AC Current (True-RMS):	0.00 to 600.0 A	±1.8% + 5LSD (50 to <100 Hz) ±2.0% + 5LSD (100 to 400 Hz)
Amp-Tip AC:	0.00 to 60.00 A	±1.5% + 5LSD (50 to 60 Hz)
DC Microamps:	0.0 to 2000 μA	±1.0% + 5LSD
Frequency:	5.00 to 999.9 Hz	±1.0% + 5LSD (600 V range)
Resistance:	0.0 Ω to 60.00 kΩ 60.01 kΩ to 6000 kΩ	±1.0% + 5LSD ±1.2% + 5LSD
Capacitance:	200.0 μF, 2500 μF	± 2.0% + 4LSD
Diode Test:	0.0 to 3.000 V	± 1.5% + 5LSD
Type K thermocouple*:	-40.0 to 752°F -40.0 to 400°C	±1.0% + 1.5°F (-40.0 to 99.9°F) ±1.0% + 2°F (100 to 752°F) ±1.0% + 0.8°C (-40.0 to 99.9°C) ±1.0% + 1°C (100 to 400°C)
Non-Contact Voltage:	10 to 550 V, 50/60 Hz	
Continuity Beeper:	On < 10 Ω, Off > 250 Ω	
Jaw Opening:	1.18 in (30 mm)	
Update Rate:	5 per second nominal	
Operating Temperature:	32 to 104°F (0 to 40°C), <80% RH up to 88°F (31°C) decreasing linearly to 50% RH at 104°F (40°C)	
Display:	Dual backlit LCD with annunciators	
Certification:	cULus, CE	
Dimensions (L x W x H):	8.62 x 3.03 x 1.46 in (219 x 77 x 37 mm)	
Safety Rating:	CAT III 600 V	
Accessories Included:	Manual, test leads, 2 AAA batteries, carry case, Type K thermocouple	

*thermocouple accuracy tolerances not included

ORDERING INFORMATION

ACD-14-Pro	600 A TRMS Clamp Multimeter
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