

AC/DC TRMS Thermal Clamp Meter 1500V DC ECLIPSE



CAT III 1000V
(To ground)

CAT IV 600V

TRMS **IP40**



Features

- Jaw size: 40mm
- Detects AC voltage without contact
- Data logger and graph
- Diode test
- Bluetooth connectivity with HTMercury APP
- Laser pointer
- White LED illuminator

Includes:



Temperature Probe



Test Leads



F3000U AC Flexible Clamp

Technical Overview

Feature	Parameter	Accuracy
DC Voltage (V)	600mV/ 6/ 60/ 600/ 1500V	±0.8% + 5 Digit
AC TRMS Voltage (V)	6/ 60/ 600/ 1000V	±2.5% + 5 Digit
AC +DC TRMS Voltage (V)	6/ 60/ 600/ 1000V	±2.5% + 20 Digit
DC Current (A)	60/ 600/ 1000A	±2.0% + 8 Digit
AC TRMS Current (A) INRUSH Current	60/ 600/ 1000A	±2.5% + 5 Digit
AC TRMS Current (A) with Flexible clamp	30/ 300/ 3000A	±3.0% + 5 Digit
Resistance (Ω)	600/ 6kΩ/ 60kΩ/ 600kΩ/ 6MΩ/ 60MΩ	±1.0% + 10 Digit
Frequency (Hz)	60/ 600/ 6kHz/ 60kHz/ 600kHz/ 6MHz/ 10MHz	±0.09% + 5 Digit
	60/ 600/ 6kHz/ 60kHz/ 600kHz/ 6MHz/ 10MHz	±0.2% + 5 Digit
Temperature (°C) K-Type	-40 to +1000°C	±1.5% + 3°C
Capacitance (F)	60nF/ 600nF/ 6μF/ 60μF/ 600μF / 6000μF / 60mF/ 100mF	±3.0% + 8 Digit
Colour TFT Display	6 000 Counts	

Infrared Temperature

Feature	Parameter	Accuracy
IR Sensor Resolution	80 x 80pxl	
Temperature (°C)	-20 to +260°C	±3°C or ±3% (@ env temp:10 - 35°C, object temp >0°C)
Thermal Sensitivity	<0.1°C @ 30°C / 100mK	
Colour Palettes	5 (Iron, Rainbow, Grey, Reverse Grey, Feather)	
Field of View (FOV)	21° x 21° / 7.5mm	
IFOV (@1m)	4.53mrad	
Image Frequency	50Hz	
Emissivity Correction	0.01 to 1.00	
Measurement Cursors	3 (FIXED, MAX, MIN)	
Focusing	Automatic	

Model Specifications

Power Source	1 x 7.2V Li-ION Rechargeable Battery (1200mAh)
Standard Accessories	Test Leads, Micro SD Card (8GB Card), K-Type Temperature Probe, Pouch
Optional Accessories	Flexible Clamp (F3000U), 400A Clamp (HT4006)
Certificates	IP40, IEC/EN61010-1, IEC/EN61326-1
Dimensions (mm):	190(L) x 75(W) x 55(H)
Weight (g)	555