MERCURY

PROFESSIONAL MULTIMETER WITH BUILT-IN THERMAL CAMERA

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➜ **TRMS** *AC+DC*   CAT IV **600**V   AUTO **RANGE**

MULTIMETER

> **TRMS** measurement
> **AC**, **DC**, **AC+DC current** up to **10A**
> **DC/AC/AC+DC TRMS current** with standard/flexible external clamp transducers
> **AC**, **DC**, **AC+DC voltage** up to **1000V**
> **Resistance**, **Continuity test**
> **Frequency** and **Duty Cycle**
> **Capacity** and **Temperature** with **K probe, Diode test**
> **NCV sensor** for **contactless** AC voltage detection
> Data **HOLD, MAX/MIN/PEAK**, **REL** function

THERMAL CAMERA

> **Built-in thermal camera 80x80px**
> **Infrared temperature measurement**
> **Laser pointer** and white **LED torch**
> **Bluetooth** for connection to mobile devices
> Dedicated **HTMercury APP***

* The **HTMercury** app can be downloaded for free on Apple Store™ and Google Play™

TECHNICAL DATA SHEET

TECHNICAL **SPECIFICATIONS**

Counts	6000
DC, AC TRMS, AC+DC TRMS voltage	up to 1000V
DC, AC TRMS, AC+DC TRMS current	up to 10A
AC and AC+DC TRMS current using standard clamp transducers	●
AC TRMS current using a F3000U flexible clamp transducer	up to 3000AC
"Voltsense" for AC voltage detection	●
Resistance	●
Continuity with buzzer	●
Temperature probe type K	●
Diode test	●
Capacity	●
Frequency	●
Relative Measurement	●
MAX/MIN	●
PEAK	●
Data HOLD	●
Bargraph	●
Backlighting	●
Datalogger and graph	●
Auto Power OFF	●
IR sensor resolution	80 x 80 pxl
Infrared temperature measuring range	-20°C ÷ 260°C / -4°F ÷ 500°F
Thermal sensitivity / NETD	< 0.1°C @ 30°C
NETD	< 100mK
Spectral range	8 ÷ 14µm
IFOV	4.53 mrad
Field of view (FOV)	21° x 21°
Lens	7.5mm
3 cursors: Central, Min, Max	●
8 standard + 10 customisable colour palettes	5 standard, non-customisable
Readings in °C, °F, °K	●
Built-in white light torch	●
Laser pointer	Class 2

GENERAL **SPECIFICATIONS**

Dimensions (L x W x H)	190 x 75 x 55mm
Weight (batteries included)	555g
Operating temperature	from 5°C to 40°C
Operating humidity	<80% RH
Protection rating	IP65
Power supply	2 x rechargeable Li- ION batteries

ACCESSORIES

STANDARD **ACCESSORIES**

TK101	Wire K-type probe for measuring temperature
T10	Adapter for connecting TK temperature probes
F3000U	Flexible clamp with full scale 30/300/3000A AC and banana connectors
4324-2	Pair of professional leads, red/black 2/4mm 90°
A0MCY	Multiplug power supply and charging base
BATMCY	Rechargeable Li-ION battery, 2 pieces
B0MCY	Carry bag
8GB memory card	
Complete user manual and HTMercury APP available online	
Calibration report	
Quick start guide	

OPTIONAL **ACCESSORIES**

TK107	K probe for air and gas temperature
TK108	K probe for semi-solid substance temperature
TK109	K probe for liquid temperature
TK110	K probe for surface temperatures
TK111	K probe for surface temperatures with 90° tip
HT4006	Standard clamp transducer DC/AC 40-400A/1V
HT96U	Standard clamp transducer AC 1-100-1000A/1V
HT97U	Standard clamp transducer AC 10-100-1000A/1V
HT98U	Standard clamp transducer DC 1000A/1V
NOCANBA	Adapter for connecting standard clamps with custom HT connector