



GPS

198T



Key Features

- Built-in Thermal Imager design quickly identifies hot spots without contact
- 240 x 320 2.8" TFT color LCD display, 6000 counts
- Logging function with Trend Capture for easy review of logged data
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth
- A/D convert fast sampling time: 10 Times/sec.
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- 80x80 Infrared resolution
- Bluetooth BLE instant share function
- Easy to view and analyse images quickly

Ideal for

- Repair and maintenance
- Outdoor measuring
- Circuit measurements

A professional True RMS Industrial Digital Multimeter with built-in thermal imager design

Providing fast A/D converting sampling time, high accuracy with datalogging and Trend Capture features. An advanced system platform permits smart multifunction such as updating software on line, PC calibration and much more. Includes Meterbox iMM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

www.gpslimited.com/198T
For all enquiries, Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com

Technical Specifications

Model GPS-198T			
Thermal Imager			
IR resolution	80x80 pixels		
Field of View (FOV)	21° x 21°		
Thermal sensitivity/NETD	< 0.08°C /80mK		
Image frequency	50Hz		
Object temperature range	range: -20 to 260°C (-4 to 500°F)		
Spectral range	8-14 μm		
Color palettes	IRON/Rainbow/Grey/Grey Inverted		
Accuracy	±2°C (±3.6°F) or ±2% of reading		
True RMS Multimeter Functions			
Function	Maximum	Max resolution	Accuracy
Voltage DC	1000V	100mV	± (0.1% + 3)
Voltage AC	1000V	100mV	± (0.9% + 20)
Current DC	10A	0.1μA	± (0.9% + 2)
Current AC	10A	0.1μA	± (1.2% + 5)
Resistance	60MΩ	0.1Ω	± (1.0% + 2)
Capacitance	6000uF	0.01nF	± (2.5% + 5)
Frequency	10MHz	0.01Hz	± (0.5% + 1)
Diode and Continuity	Yes		
IP65 Dust & Waterproof	Yes		

Standard Accessories

Test leads
Li-ion battery
Type K temperature probe
Software
Carrying case

Interface

Bluetooth

EMC & LVD

2004/108/EC EMC Directive
Low Voltage Directive 2009/95/EC

Safety

EN61010-1 CAT IV 600V, CAT III 1000V
1000V input protection on all ranges
10A/1000V & 0.8A/1000V fuses
protection on current ranges

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-198T	True RMS Industrial Handheld Multimeter with Thermal Imager	400198

Dimensions

195 x 80 x 58mm / 7.6 x 3.2 x 2.3" (w x d x h) approx.

Mass

0.5kg/1.1lbs approx.

Operating

0°C ~ 50°C
80%RH, 40°C, 24hours
≤3000m

Services

1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
Service and calibration available.

Please contact for more information

www.gpslimited.com/198T
For all enquiries, Tel: +44 (0) 208 964 3600
Email: info@gpslimited.com