



INFORMATION & SPECIFICATIONS DATA SHEET

TEMPERATURE & PROCESS INSTRUMENTS - INC

MicroRay Xtreme Series Compact Infrared Thermometers

Three New Innovative Compact Professional Infrared Thermometer

The MicroRay Xtreme Series are the most advanced compact infrared (IR) thermometer available on the market used to diagnose, inspect, and check the performance of any critical temperatures in your applications. With its superior optics, it allows easy and more accurate measurements of smaller targets at longer distances. The unit can keep up to 64 different temperature measurements in its internal memory, which includes a Real-Time clock for any documenting procedure. A Built-In interface allows you to connect the unit to any laptop or PC with an optional USB cable to download measurements using LogMan Data Manager Windows Software.

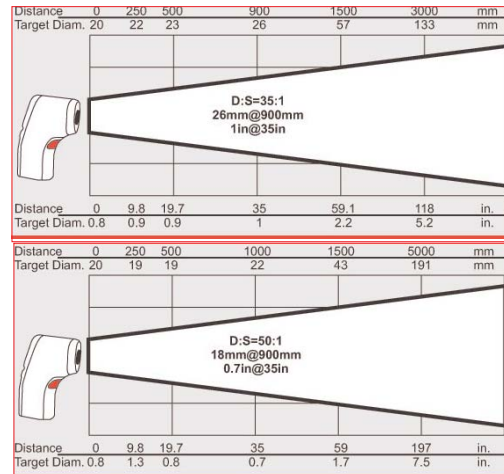


Each MicroRay includes a 9V battery and instruction manual.

Features

- ▶ Laser Sighting Standard
- ▶ Comfortable Rubber Pistol Grip Design
- ▶ Easy to Use Just a "Click" to Measure
- ▶ Quick Immediate Response
- ▶ Large Backlight LCD Display
- ▶ Built-in Connector for Optional External Contact Temperature Probes
- ▶ Wide Temperature Range -22 to 1832°F (-30 to 1000°C)
- ▶ Adjustable Emissivity (Preset at 0.95)
- ▶ Maximum, Minimum and Differential Reading
- ▶ °C/°F Selectable

MicroRay Xtreme Series Field of View



Models Available

IRtec MicroRay	Xtreme	Xtreme+	Xtreme++
Measuring Range	-22 to 1400°F (-30 to 760°C)	-22 to 1830°F (-30 to 999°C)	-22 to 1830°F (-30 to 999°C)
Optics	35:1	50:1	50:1
Laser Sighting	Standard	Standard	Standard TTA
Accuracy*	±1%rdg or ±1.8°F	±1%rdg or ±1.8°F	±1%rdg or ±1.8°F
Contact Probe Connector	Standard	Standard	Standard
Emissivity	Preset 0.95 Adj. 0.20/1.00	Preset 0.95 Adj. 0.20/1.00	Preset 0.95 Adj. 0.20/1.00
MAX/MIN/DIF	Standard	Standard	Standard
Hi/Low Alarms	Visual and Audible	Visual and Audible	Visual and Audible
Display Backlight	Standard	Standard	Standard
Memory	Last reading, 64 memory points, real-time clock and USB Connector		



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Specifications

Spectral Response: 8 to 14µm
Display Resolution: 0.1°F
Response Time: 500 ms, 95% response
Emissivity: Adjustable from 0.20 to 1.00 (preset on 0.95)
Auto Power Off: Automatic after 30 sec of no operation
Accuracy IR Channel: Xtreme: 32°F (0°C) to fs.: ± 1% of the reading or ±1.8°F (1.0°C)
 All models: from -22°F to 32°F (-30° to 0°C): ±(1.8°F(1°C) + 0.07°F/°F)
Repeatability IR Channel: ± 0.5% of the reading or ± 1.3°F from 32°F
External Sensor Channel: Resistance high accuracy platinum Pt1000

External Sensor Channel Temperature Range: -22°F to 930°F
External Channel Accuracy: 0.2% of reading or 0.36°F
Power Supply: 9V alkaline
Battery Life: 40 hours (back light and laser Off); 20 hours (On)
Operative Temperature: 32°F to +120°F, 10-95% RH non-condensing up to 86°F
Storage Temperature: -4°F to 150°F without battery
Built-in Tripod mounting: 6.35 mm (1/4) 20 UNC threading
Dimensions: 5.5 x 3.5 x 1.5 in (140x90x38 mm)
Weight: 6 oz net
Typical Working Distance: (General information. No restriction for longer distance) Optics 35:1 up to 16ft, Optics 50:1 up to 30ft.

Memory and Datalogging

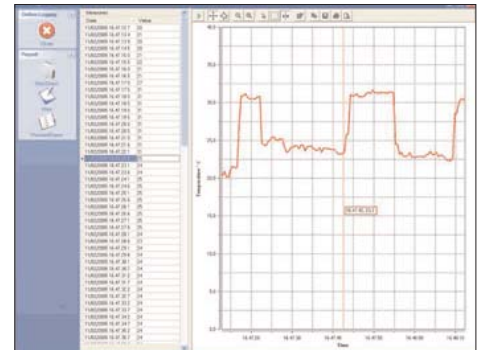
The MicroRay Xtreme Series can store up to 64 test points with date and time stamping using the internal real time clock. Datalogging can be manual or automatic with settable sampling time. A built-in USB interface allows you to connect the MicroRay Xtreme to any laptop or PC with the optional LogMan Data Manager Windows Software and USB cable to download measurements.

TTA/True Target Aiming

Using the most advanced technology, the MicroRay Xtreme++ has a laser sighting with a reflex system of the beam passing through the center of the lens, which grants the best possible accuracy when aiming at a distance.

Built-In Contact RTD Probe Connector

The MicroRay Xtreme Series are equipped with a connector for contact temperature measurement. The available RTD temperature probes include Contact, Immersion, Penetration and Ambient Air sensors. One compact probe can actually be stored inside the unit for easy access. Longer probes are available if needed and provided with a wire connection.



Optional LogMan Software

Order Information

Part Number	Description	Price
1188-1	MicroRay Xtreme Compact Infrared Thermometer Optics 35:1	\$335.00
1188-2	MicroRay Xtreme+ Compact Infrared Thermometer Optics 50:1	\$482.00
KIT-1	MicroRay Xtreme++ Kit Infrared Thermometer Optics 50:1	\$649.00
Accessories	Description	
EE880070	Soft vinyl case with belt clip	\$16.00
EE880069	Soft vinyl case (Replacement)	\$23.00
BB880075	Rigid ABS Carrying Case	\$39.00
CAL	Calibration Certificate	\$79.00
EE420375	LogMan PC based Datalogging Software and USB Cable	\$152.00

Each Instrument includes wrist strap, EE880069 Soft Vinyl Carrying Case, 9 Volt battery and instruction manual.

* Price Subject to change without notice, please visit our web site for the latest pricing and specifications

Ordering is easy fast and secure just go to our web site at:

<http://www.tnp-instruments.com>

and Click on the Online Store Link, for your convenience we accept the following credit cards



Temperature & Process Instruments Inc.

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