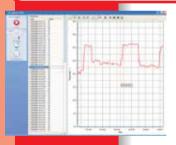
Common Specifications

Spectral Response: 8-14 um **Display Resolution:** PRO/PRO+/PRO++: 0.1°F up to 199.9°F. 1°F otherwise. PRO/PRO+: 0.2°F from -30 to 0°F Xtreme: 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:

PRO: from 32°F to 158°F : ±1.8°F PRO: from 158°C to f.s. : ±1.5% of the reading or ±2.7°F Xtreme: from 32°C to f.s. : ±1% of the reading or ±1.8°F All models: from -22°F to 32°F : ±(1.8°F + 0.07°F/°F) Repeatability IR Channel: ±0.5% of the reading or ±1.3°F from 32°F External Channel: Resistance high accuracy platinum Pt1000 External Channel Range: from -22°F to 930°F External Channel Accuracy: 0.2% of reading or 0.36°F **Power Supply:** 9V alkaline or optional rechargeable battery kit Battery Life: 40 h (back light and laser Off) - 20 h (On) Operative Temperature: 32 to +120°F 10-95% RH non condensing up to 86°F **Storage Temperature:** -4 to +150°F without battery Tripod mounting: 6.35 mm (1/4") 20 UNC threading Dimensions - Weight: 5.5x3.5x1.5 in (140x90x38 mm) - 6 oz nett Typical Working Distance (General information. No restriction for longer distance): Optics 15:1 up to 10ft, Optics 20:1 up to 12ft, Optics 35:1 up to 16ft, Optics 50:1 up to 30ft.



IR Logman 2006 Software

Logman Sofware is compatible with Windows 98/XP and can download data with USB cable. The USB port is available only on MicroRay Xtreme. You can download up to 64 tests or run on-line logging storing data directly on PC. You can view, print, graph and export an Excel file.

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Accessories

EE880075	Rigid ABS case	
EE880070	Soft pouch with belt clip	
EE880069	Soft Vinyl case	
EE420375	USB cable + IR Logman 2006	
	Windows [™] software	
Built-in 2.5" Compact Probe		
F2125000	Penetration tip	
Built-in 5" Probe		
F2123000	Penetration tip	
F2124000	Immersion tip	
F2122000	Ambient Air tip	
Remote 5" Probe with 3.3ft Wire Extension		
F2126000	B <i>i i i</i>	
FZ120000	Penetration tip	
F2127000	Contact spring loaded tip	

Distributed by:



IRtec MicroRay PRO[™]

IRtec MicroRay Xtreme[™]

The New Innovative Compact Low Cost Professional Infrared Thermometer





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For detailed information please visit our web site:

einstrumentgroup.com



IRtec MicroRay PRO

The MicroRay PRO infrared (IR) thermometer is the ideal tool to diagnose, inspect, and check the performance of any critical temperatures for your applications.

With the advantage of using non contact technology you can measure a moving, obstructed, or heated object very easily and at a comfortable distance. It is the perfect tool for an endless number of processes & applications, whether in your home, garage, workshop, office, automobile, kitchen, and so much more.

IRtec MicroRay Measuring Range Optics Laser Sighting Accuracy* Contact Probe Socket Emissivity

MAX/MIN/DIF Hi/Low Alarms **Display Backlight** HOLD

PRO	PRO+	PRO++		
-22 to 930°F	-22 to 930°F	-22 to 1110°F		
15:1	15:1	20:1		
Standard	Standard	Standard		
±1.5%rdg or±2.7°F	±1.5% rdg or±2.7°F	±1.5% rdg or±2.7°F		
None	Standard	Standard		
Preset 0.95	Preset 0.95	Preset 0.95		
Adj 0.20/1.00	Adj 0.20/1.00	Adj 0.20/1.00		
Standard	Standard	Standard		
Visual	Visual	Visual+Audible		
Standard	Standard	Standard		
Last reading	Last reading	Last reading		
and additional parameters in last page				

extended accuracy declaration and additional parameters in last page.

Built-In Contact Probe - RTD

The MicroRay PRO +, PRO++, and all Xtreme models are equipped with a connector for contact measurement. The available temperature probes include a Contact, Immersion, Penetration, & Ambient Air. 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. See last page for details.

Laser Sighting - US Ultra Sharp

All MicroRay models are equipped with a Class II Laser for aiming purposes. The offset laser sighting will allow you to identify the approx. center of the target being measured. The Ultra Sharp definition of laser makes it easy to read outdoors as well.

9V Batterv **Recommended Target Ranges**

mm

Easily replaceable standard 9V battery is provided with the unit. A kit is also available for rechargeable battery and external charger.

Tripod mounting

Standard photographic tripod thread is available for accurate and long term measurements.

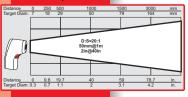
IRtec Microray PRO++

9.8

IRtec Microray PRO

Distance 0 250 600 Target Diam, 16 26 40

IRtec Microray PRO+



D:S=15:1

Ordering Code

Each Instrument includes a 9V battery and instruction manual MicroRay PRO Cat.1186-1 Cat.1186-2 MicroRav PRO+ MicroRay PRO++ Cat.1186-4



IRtec MicroRay Xtreme

The MicroRay Xtreme is the most advanced compact infrared (IR) thermometer available on the market used to diagnose, inspect, and check the performance of any critical temperatures for your applications. With its superior optics, it allows easy & more accurate measurements of smaller targets at longer distances. The unit can keep up to 64 different 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.

Xtreme	Xtreme+	Xtreme++
-22 to 1400°F	-22 to 1830°F	-22 to 1830°F
35:1	50:1	50:1
Standard	Standard	Standard TTA
±1% rdg or ±1.8°F	±1% rdg or ±1.8°F	±1% rdg or ±1.8°F
Standard	Standard	Standard
Preset 0.95	Preset 0.95	Preset 0.95
Adj 0.20/1.00	Adj 0.20/1.00	Adj 0.20/1.00
Std	Std	Std
Visual+Audible	Visual+Audible	Visual+Audible
Standard	Standard	Standard
Last reading+	Last reading	Last reading
64 mem+USB	64 mem+USB	64 mem+USB
real-time clock	real-time clock	real-time clock
	-22 to 1400°F 35:1 Standard ±1% rdg or ±1.8°F Standard Preset 0.95 Adj 0.20/1.00 Std Visual+Audible Standard Last reading+ 64 mem+USB real-time clock	-22 to 1400°F -22 to 1830°F 35:1 50:1 Standard Standard ±1% rdg or ±1.8°F ±1% rdg or ±1.8°F Standard Standard Preset 0.95 Preset 0.95 Adj 0.20/1.00 Adj 0.20/1.00 Std Visual+Audible Visual+Audible Standard Last reading+ Last reading 64 mem+USB 64 mem+USB

* extended accuracy declaration and additional parameters in last page.



Emissivity

The infrared energy emitted by a surface differs according to its composition and physical condition. The parameter, used to characterize the object surface, is called emissivity.

The preset value 0.95 is valid on most common applications with few exception like shiny metals. Emissivity can also be adjusted from 0.2 to 1. You can find some guideline on our web site. On Xtreme models you can adjust emissivity automatically using contact probe.

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.

Memory

Xtreme models can store up to 64 test with date and Time using the internal real time clock. Datalogging can be manual or automatic with settable sampling time.

Ordering Code

Ordering Code				
Each Instrume	ent includes a wrist strap, 9			
battery and ins	struction manual.			
Cat.1188-1	MicroRay Xtreme			
Cat.1188-2	MicroRay Xtreme+			
Cat.1188-4	MicroRay Xtreme++			

IRtec Microray Xtreme Distance 0 250 500 Target Diam 20 22 23



Recommended Target Ranges

IRtec Microray Xtreme+



IRtec Microray Xtreme+