

E instruments

IRtech Pro 880

Portable Infrared Thermometers for maintenance applications with dual optic

IRtech
Infrared Technology

- Temperature range -35° to 900°C
 - Optical resolution 75:1
8-14µm Spectral response
 - Dual optic Tele-Macro
 - Crosshair laser pointer
 - Termocouple K input
 - Large LCD rotating display
with backlight
 - Handheld
 - Emissivity settings
 - USB interface with
IR Portable Windows software
 - Datalogger up to 100 measures
 - Max, Min, Diff, Avg
- Alarms audible features



The IRtech Pro 880 is the most advanced portable infrared thermometer for maintenance application. The dual optics allows to measure at distance (75:1 tele) or close on very small target (1mm). The display is automatically rotating for the most convenient viewing position. The unique crosshair laser pointer help you to identify the real target dimension at any distance. The thermocouple K input allow contact measure also usefull if you need to check the emissivity of a target. The USB digital port allow fast measurements up to 20 readings per second. The typical applications are preventive maintenance, quality control, research & development and electronic design.



Models

Model	Pro 880
Temperature range	-35 - 900 °C
Accuracy <small>23±5°C from 20°C</small>	±0,75% or ±0,75°C rdg *
Repeatability	±0,5% rdg or ±0,5°C *
D:S target ratio	75:1 or 1mm
Response time	150 mS
Spectral response	8-14 µm
Laser pointers	Crosshair (double on macro)
Temp coeff <small>outside 20-30°C</small>	±0,05K/K or ±0,05K *

* whichever is greater

Storage temperature:

-30°C to +65°C (no battery)

Weight: 420 g nett

Vibration & Shock:

IEC 68-2-6: 3G, 11-200Hz, any axis

IEC 68-2-27: 50G, 11mS, any axis

Memory:

100 measurements with time and 4 digit Tag

Digital interface: USB with Software

Tripod mount: 1/4-20 UNC

Common specifications

Emissivity:

Pre-set to 0.95. Adjustable 0.100 - 1.000

Working temperature:

0 to +50°C / 10-95% RH non condensing

Display:

High contrast Large LCD, rotating (hor/ver)

Battery:

2xAA alkaline or USB

Battery life:

10 hours with laser and backlight off

25 hours without laser and backlight

Laser:

Class II (<1mW) crosshair or double

Thermocouple K input:

-30°C to 900°C

accuracy : ±0,75°C or ±1% of reading*

Functions:

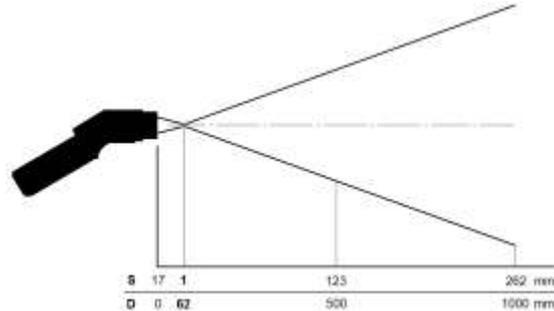
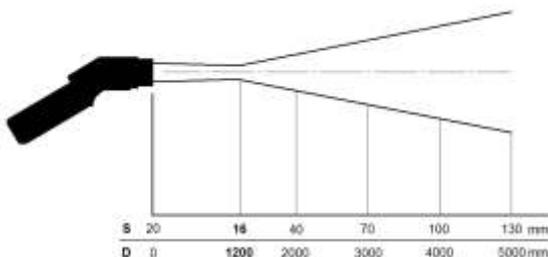
Max, Min, Hold, Diff, Average, Bar graph

Alarms:



Tele : standad focus 16mm@1200mm

Macro : close focus 1mm@62mm



IR Portable Windows Software

Auditors require the collection, organization and availability of traceability documents. Dedicated input data are memory stored and downloaded to a PC to document the inspection activity. Data can be saved on disks, viewed and printed in a numeric or graphic mode. The real time datalogging work at 20 reading per second.



Ordering Code

Code	Model
Pro	IRtech Pro includes carrying case, pouch, wrist strap, Tc K, USB cable, Software & instruction manual.
Table A	Range
880	-35 to 900°C
Table C	Report of Calibration
0	none
CC	EA traceable with data
Pro 880 - 0	Typical ordering code