IRtech **Pro 880**

Portable Infrared Thermometers for maintence applications with dual optic

*IR*tech
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

CE

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 convinient 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.

www.irtec.it

Features are related to all models equipped with full configuration. On next pages you can find specific details.

IRtech Pro 880

Portable Infrared Thermometers for maintence applications with dual optic

IRtech Infrared Technology

Models

Model	Pro 880
Temperature range	-35 - 900 °C
Accuracy 23±5°C from 20°C	±0,75% or ±0,75°C rdg *
Repeatability	*
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 outside 20-30°C	±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:
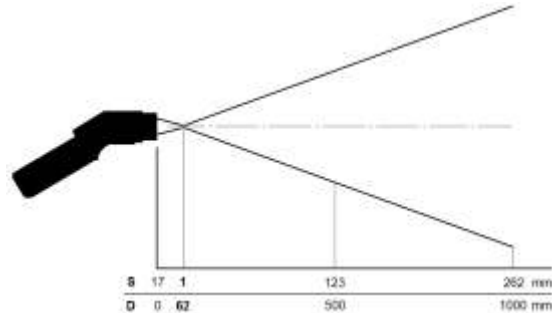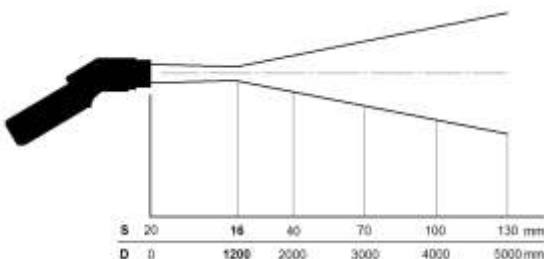-30°C to 900°C
accuracy : ±0,75°C or ±1% of reading*

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

Alarms:

Tele : standad focus 16mm@1200mm

S	20	16	40	70	100	130 mm
D	0	1200	2000	3000	4000	5000 mm

Macro : close focus 1mm@62mm

S	17	1		125	262 mm
D	0	62		500	1000 mm

● **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*