INFRARED THERMOMETER -50 +420 ºC

Desctription

The handheld Infrared Thermometer 4646504200 uses laser and infrared technology for non-contact temperature measurement. It is suitable for measuring temperature on the surface of equipment where a traditional contact probe is not suitable (measurement applications on moving objects, toxic areas, or places that are difficult to access for contact probes).
This equipment incorporates low power consumption technology and allows the settings to be stored automatically, avoiding having to adjust the equipment each time it is started up. We can visualize the data through a backlit LCD display, incorporates a laser pointer to increase the accuracy of the measuring point, and an input socket to connect a type K thermocouple, which allows to extend the measuring range of the equipment.
It has all the advantages of being a portable instrument, together with fast measurement and easy and safe operation.

Some of the most common applications are locating hot spots in electrical panels or bearings, control of heated parts by high frequency induction, process controls and food storage, verification of temperatures in heating and cooling systems, or any other circumstance in which temperature differences may compromise the process.
Especially suitable for applications in metallurgical, chemical, food, rubber, etc. industries.

Technical specifications

Product name	Infrared thermometer
Model	4646504200
Measurement range	Between -50ºC and 420 ºC (-58 ºF / 788 ºF)
Wavelength range	5 ~ 14 µm
Accuracy	+/- 1,5 ºC (+/-2,7 ºF) or +/- 1,5% (T>0ºC) +/- 3 ºC (+/-5,4 ºF) or +/- 2% (T<0ºC)
Repeatability	1% or 1ºC
Response time	500 ms, 95%
Optic ratio	12: 1
Emissivity	0.10 ~ 1,00 adjustable (Default range 0,95)
Display accuracy	+/- 0,1 ºC
Working temperature	0 ~ 40 ºC (32 ~ 140 ºF)
Working humidity	10 ~ 95% RH with no condensation, untill 30 ºC (86 ºF)
Storage temperature	-20 ~ 60 ºC (-4 ~ 140 ºF)
Power supply	3V (2xAAA)
Battery life	Without laser: 22 h With laser: 12 h

WARNING:

- Avoid knocking or dropping the measuring equipment.
- Do not disassemble the equipment
- Keep the equipment clean and dry
- Do not work in environments with corrosive gases
- Dust and water may damage the lenses.
- Do not clean the lenses with solvents
- Immersion of the thermometer may damage the electronics of the instrument
- Remove the battery when the instrument is not to be used for a long period of time.

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2- Laser positioning: press the trigger and then press the 2 key to activate/deactivate the laser positioning function, whose icon is displayed on the LCD screen.

3- Temperature unit change: press the 2 key to toggle between temperature units

4- Press the SET key and the different indicators for the different functions will appear sequentially. Press SET again to select the function (see the manual for the functions)

5- Backlight: first press the trigger and then press the 4 key to turn on or off the backlight, whose icon appears on the LCD.

6- EMS: press the EMS key and then press the 4 and 2 keys to set the emissivity and then press the EMS key to confirm the selection.

LCD screen

A: measurement reading

B: unit of measurement

C: low temperature alarm icon

D: data hold icon

E: scan icon

F: high temperature alarm icon

G: laser on icon

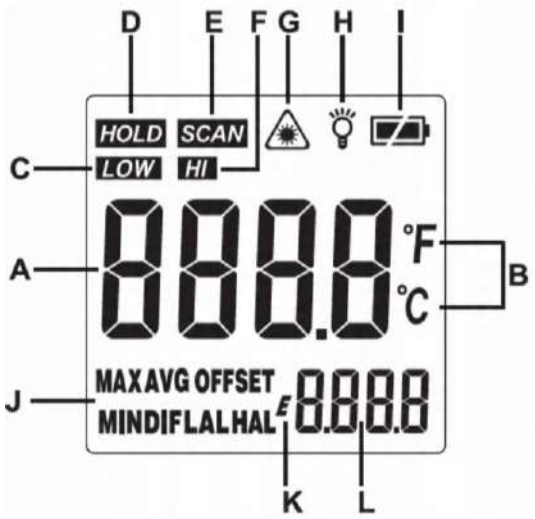
H: backlight on icon

I: battery level icon

J: mode

K: emissivity indicator

L: functional value



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