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quality tools

BLACKLINE

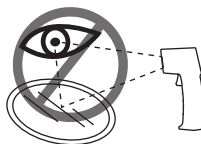
Using-Instructions

Digital pistol type infrared thermometer

2



LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT



Art. 31124



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Please read these instructions carefully to ensure the safe and effective use of this tool.

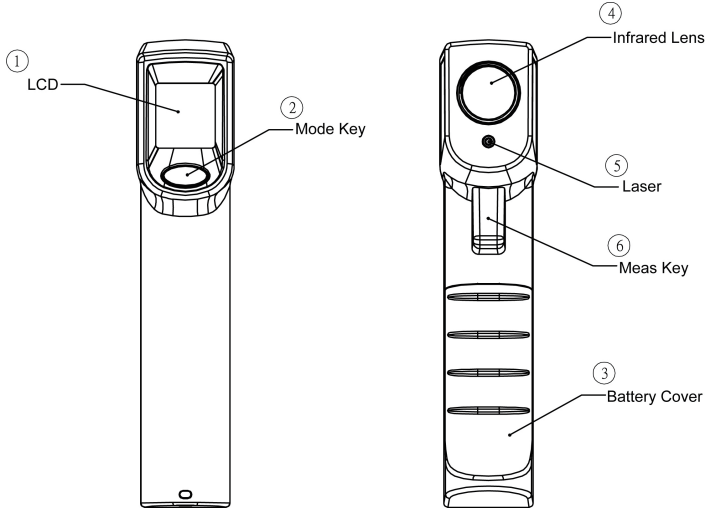
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The thermometer is a non-contact infrared thermometer, and always with Real-Time Maximum (MAX) data. Please remember to keep away from children and don't use it for safety related applications.



(Default Screen)



1. Simply aim the thermometer at the measure target with Lens (4) and press "Meas Key" (6) to display the surface temperature.
2. During the measurement, the MAX reading will be displayed beside the *MAX* icon.
3. The Distance: Spot is 8:1. Please make sure the target area is within the field of view.

ADD VALUE:

°C or °F	Press "Mode Key" (2) for °C or °F transferred.
Backlight	LCD Backlight: always on.
Laser	Class II Laser: always enable while measuring.
Memory	Recall the last reading memory by pressing "Mode Key" (2) while power off.

! EMC/RFI

Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

Note: Under the electromagnetic field of 3 V/m from 350 to 550 MHz, the maximum error is 8°C (14.4°F).



CAUTION



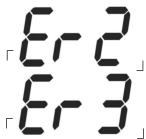
1. WHEN DEVICE IS IN USE, DO NOT LOOK DIRECTLY INTO THE LASER BEAM—PERMANENT EYE DAMAGE MAY RESULT.
2. USE EXTREME CAUTION WHEN OPERATING THE LASER.
3. NEVER POINT THE DEVICE TOWARDS ANYONE'S EYES.
4. KEEP OUT OF REACH OF ALL CHILDREN.

STORAGE & CLEANING

The sensor lens is the most delicate part of the thermometer. The lens should be kept clean at all times, care should be taken when cleaning the lens using only a soft cloth or cotton swab with water or medical alcohol. Allowing the lens to fully dry before using the thermometer. Do not submerge any part of the thermometer. The thermometer should be stored at room temperature between -20°C - 65°C (-4°F - 149°F).

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:



'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds 0°C (32°F) or +50°C (122°F). The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.



Error 5-9, for all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance.



'Hi' or 'Lo' is displayed when the temperature being measured is outside of the measurement range.

BATTERIES

The thermometer incorporates visual low battery indication as follows:



'Battery OK':
Measurements are possible



'Battery Low':
Battery needs to be replaced,
measurements are still possible



'Battery Exhausted':
Measurements are not possible



When the 'Low Battery' icon indicates the battery is low, the battery should be replaced immediately with AAA, 1.5 V batteries. Please note: It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction. Dispose of used battery promptly and keep away from children.

SPECIFICATION

Measurement Range	-38°C - 365°C (-36.4°F - 689°F)
Operating Range	0°C - 50°C (32°F - 122°F)
Accuracy, (Tobj = 15°C - 35°C, Tamb = 25°C)	+/-1.5°C (2.7°F)
Accuracy (Tamb = 23°C +/- 3°C)	Tobj = 0°C - 365°C: +/-2.5% of reading or 2.5°C (4.5°F) which ever is greater Tobj = -38°C - 0°C: +/- (2.5°C+0.05/degree)
Emissivity	0.95 fixed
Resolution (-9.9°C - 199.9°C)	0.2°C/0.5°F, otherwise 1°C/1°F
Response Time (90%)	1 sec
Distance: Spot	8:1
Battery Life	Typ.18, min 14 hours continuous use
Dimensions	172.9 x 36.0 x 71.5 mm (6.80 x 1.42 x 2.81 inch)
Weight	152 grams (5.36 oz) including batteries (AAA x 2 pcs)
The thermometer will automatically shut off if left idle for more than 15 sec.	

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DECLARATION OF CONFORMITY

Model: **31124**

Digital pistol type infrared thermometer

KRAFTWERK Sàrl, 25 rue due Stade, F-67870 Bischoffsheim

Declares under sole responsibility that the product to which this declaration relates is in conformity with the following standard(s) or other normative document(s):

EN 61326-1/2006 EN 61326-2/2006

Emission: CISRP 11/2003, CLASS B,

Immunity: IEC 61000-4-2/2008 IEC 61000-4-3/2008

Following the provisions of Directive(s)

Machinery Directive:

2004/108/EC

Bischoffsheim, 28/02/2013



Patrick Wyss
President

WARRANTY

We do not take responsibility for any damage caused by misuse or any use that is not in compliance with the safety standards described herein.

Customer services

Contact your local importer of your specialized dealer to obtain address of your service department.

You find our partners under **www.KRAFTWERK.eu**



From date of purchase receipt

2 YEARS GUARANTEE

on material- or production-defects