

IRLS205



LAZASCAN 205 INFRARED THERMOMETER

Product Code: IRLS205



Compliance with confidence

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1.0 CAUTION

- 1.1 When device is in use, do not look directly into the laser beam- permanent eye damage may result.
- 1.2 Use extreme caution when operating the laser.
- 1.3 Never point the device towards anyone's eyes.
- 1.4 Keep out of reach of children.
- 1.5 IP54 Splash Proof

2.0 STORAGE AND CLEANING

- 2.1 It should be stored at room temperature.
- 2.2 Keep sensor lens clean at all times.
- 2.3 Take care when cleaning the lens using only a soft cloth or cotton swab with water or medical alcohol.
- 2.4 Allow lens to fully dry before using the thermometer.
- 2.5 Do not submerge any part of the thermometer.

3.0 MALFUNCTION INDICATORS

- 3.1 The thermometer incorporates visual diagnostic messages:
- 3.2 $\left(\left(\begin{matrix} HI \\ LOW \end{matrix} \right) \right)$ 'HI' or 'LO' is displayed when the temperature being measured is outside of the settings of HAL and LAL
- 3.3 $\{Er2\}$ 'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature
- 3.4 $\{Er3\}$ 'Er3' is displayed when the ambient temperature exceeds 0°C or +50°C. The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilise to the working/room temperature.

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

4.0 BATTERIES

4.1 The thermometer incorporates visual low battery indication as follows:

4.2 The battery symbols indicate power status.



Battery
operational



Battery
operational



Battery needs
to be replaced

4.3 BATTERY REPLACEMENT

- Pull out the rubber gasket
- Loosen the screw and pull out the battery cover
- Replace and reinstall with new batteries
- Place the battery cover back and fasten the screw
- Plug the rubber gasket to avoid failure of water proof



When the 'Low battery' icon indicates the battery is low, the battery should be replaced immediately with AAA, 1.5V batteries. Please note: It is important to turn instrument off before replacing the battery otherwise the thermometer may malfunction.



Dispose of used battery promptly and keep away from children.

5.0 TECHNICAL DATA

Measurement range	-60... 550°C
Operating Range	0~50°C
Emissivity	0.95 fixed
Resolution(-9.9~199.9°C)	0.1°C otherwise 1°C
Response Tim (90%)	1 Sec
Battery life	14 hours of continuous use
Distance: Spot	12:1
Dimensions	143.90*116.73*42.78mm (5.67x4.60x1.68 inch)
Weight	Approx. 180 grams including batteries (AAA*2pcs)

Note: Under the electromagnetic field of 3V/m from 200 to 700 MHz, the maximum error is 5°C. The thermometer will automatically shut off if left idle for more than 15 seconds.



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

6.0 SERVICE

- 6.1 For service and repairs please send the unit to the address below in the box provided for your use. DO NOT attempt to open the case. The instrument contains delicate electronic components and opening the case may invalidate your warranty.

7.0 CALIBRATION

- 7.1 In order to guarantee optimum precision, we recommend that this instrument should be calibrated each year.
- 7.2 Klipspringer will automatically notify you of the due date for calibration.
- 7.3 The thermometer will be returned within one week accompanied by a certificate of calibration.

7.4 Klipspringer is a UKAS accredited laboratory for temperature calibration (0764) in accordance with BS EN ISO/IEC 17025. This service is provided to cover almost any probe hand-held thermometer currently in use.

8.0 ASSURANCE

8.1 With considerate use and Klipspringer's support, this unit will give years of accurate service.