MINI INFRARED THERMOMETER

- Infrared measurement -35 to 270°C
- Either Celsius or Fahrenheit
- Hold function
- High temperature alarm
- Adjustable emissivity
- Low battery indication
- Auto power off

OPERATOR'S MANUAL
ORDER CODE: OXD-312-5675F
(CZ) (HU) (PL) (SK) (TH) **cromwell.co.uk**

OXFORD PRECISION

THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner. In observance of European Directive on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

QUALITY GUARANTEE & WARRANTY

OXFORD PRECISION products carry a one year manufacturer's warranty.

OXFORD PRECISION products are designed & manufactured to the highest standards & specifications. Assuring the quality and performance required by all sectors of industry.

OXFORD PRECISION products are fully guaranteed against faulty materials & workmanship.

Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

DECLARATION OF CONFORMITY

We hereby certify that the OXFORD Mini Infrared Temperature (ORDER CODE: OXD-312-675F) Complies with all the relevant provisions of the

LVD Low Voltage Directive 2014/35/EU

Standards Applied: EN60825-1:2014

Product is exception from this directive due to the low voltage (our product voltage which is 3V)

EMC Electromagnetic Compatibility Directive 2014/30/EU

Standards Applied: EN61326-1:2013. EN61326-2-1:2013. IEC61326-1:2012. IEC61326-2-1:2012

RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU

Signed:

Name: Toni Johnson

Position: Compliance Director.

Date: September 2019

CE

OXFORD PRECISION
P.O. Box 14, Wigston, Leicester, England. LE18 1AT.

SAFETY INFORMATION

CAUTION: Do not directly view or direct the laser pointer at an eye. Low power visible lasers do not normally present a hazard, but may present some potential for hazard if viewed directly for extended periods of time.

GENERAL SPECIFICATIONS

Display	3 ½ -digit (2000 count) LCD display
Measurement Range	Temperature: -31 to 518°F/ -35 to 270°C
Power off	Automatic shut off after approx. 12 seconds
Laser power	Laser power less than 1mW (red)
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	Max. 80% RH
Power Supply	2 x 1.5 V "AAA" batteries

RANGE SPECIFICATIONS

Ranges/Resolution	-31 to 518ºF/ -35 to 270°C	0.1ºF/0.1°C
Accuracy	-31º to 518ºF / -30 to 270ºC: ± (2.5% of reading + 4ºF/2ºC)	
Accuracy notes	Accuracy is given at 18 ºC to 28 ºC (64 ºF to 82 ºF), less than 80 % RH	
Emissivity settings	Emissivity digitally adjustable from 0.10 to 1.0	
Distance Factor	Distance to Target Ratio 6:1	

PRODUCT FEATURES

1. IR sensor
2. Laser pointer beam
3. MEAS button
4. Laser button
5. Set button
6. LCD display
7. Battery compartment
8. Hand Strap

Taking Measurements

Point the Thermometer toward the object being measured, then press and hold the MEAS button. The Thermometer will turn ON and take a reading. Read the measured temperature on the LCD. The Thermometer turns off automatically approximately 12 seconds after the MEAS button is released. Pressing the Set button allows you to access the set state (High Alarm (HAL), Low Alarm (LAL), Emissivity (EMS). Each time you press Set you advance through the mode cycle. The diagram shows the sequence of functions in the mode cycle.

Min (minimum) / Max (maximum) mode.

The 'Max' or 'Min' icon will flash, Pressing the Laser button once for Max or twice for Min function. Then pressing the MEAS button, to confirm the Min or Max mode.

°C/°f mode. Pressing the SET button two times, and the ºC or ºF symbol will flash, press the Laser button to change the unit, Press the MEAS button to confirm the mode.

Ems ↑and Ems ↓mode. Emissivity digitally adjustable from 0.10 to 1.0.

Lock mode. The lock mode is particularly useful for continuous monitoring of temperatures. Press the Laser button to turn on or turn off the lock mode, Press the MEAS button to confirm the lock measurement mode. The Thermometer will continuously display the temperature until the Laser button is pressed.

Hal↑ and Hal↓ mode. High alarm digitally adjustable from –35 to 229.

Alarm on/off. Press the Laser button to turn on or turn off. Pressing the MEAS button to confirm the alarm measurement mode.

Measurement considerations: If the surface of an object to be measured is covered with frost, dust or other materials, surface cleaning must be performed before accurate measurements can be made.

High Reflective Surfaces: If the surface of an object to be measured is highly reflective, apply masking tape or apply flat black paint to the surface since black paint has a fixed emissivity value.

DISTANCE TO TARGET

The object being measured should be larger than the spot size as illustrated below.

BATTERY REPLACEMENT

When the battery power is not sufficient, the LCD will display " " replace with
2 x 1.5V "AAA" batteries, Open the battery compartment on the rear of the meter, replace the batteries and close the compartment.