

Elcometer 308

Hygrometer

User Guide

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1 GAUGE OVERVIEW AND BOX CONTENTS



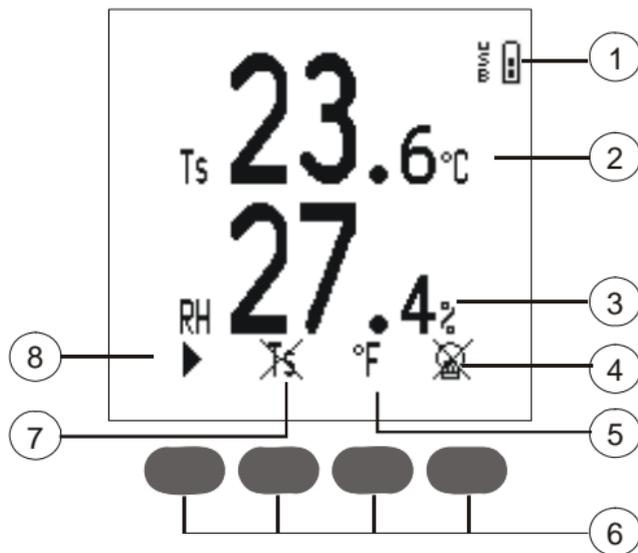
Gauge Overview

1. Surface Temperature Probe
2. RH Temperature Probe
3. Green LED Indicator (Not used on this model)
4. Red LED Indicator (Not used on this model)
5. Screen
6. Multifunction Softkeys
7. ON/OFF Key
8. USB Power Socket
9. Not used on this model
10. Part & Serial number label
11. Battery Cover
12. Wrist Strap Connection

Box Contents

- Elcometer 308 Hygrometer
- Wrist strap
- 2 x AA Batteries (LR6 1.5V)
- User Guide
- Certificate
- Protective Pouch with belt clip

2 USING THE GAUGE



- | | | | |
|-------------------------------------|---|------------------------------------|----------------------|
| 1. Battery Life/USB Power Connected | () | 5. Temperature Unit of Measurement | (°C/°F) |
| 2. Surface Temperature Reading | (°C/°F) | 6. Multifunction Softkeys | |
| 3. Relative Humidity Reading | (%) | 7. Surface Temperature (ON/OFF) | (Ts/ Ts) |
| 4. Backlight ON/OFF | () | 8. Measurement Hold/Release | (II/▶) |

3 TAKING A READING



1. Press ON/OFF key
2. To display Ts press the Ts softkey
3. Select °C/°F as required for Ts reading
4. Place gauge in the environment and if required the surface temperature
5. Wait for reading(s) to stabilise
6. Press Hold softkey (H)
7. Review reading(s)

To take another reading press release button (▶) and repeat steps 4-7

4 SPARE PARTS & ACCESSORIES

Protective Pouch	T99921192
USB Power Cable	T99921325
Wrist Strap	T99916063
Full Calibration Certificate	TCAL-308F

5 TECHNICAL SPECIFICATIONS

Operating Range:	-20°C to 80°C (-4°F to 176°F) 0% to 100% RH
RH Accuracy:	± 3%
Resolution:	0.1°C/(0.1°F) 0.1%

6 MAINTENANCE & CARE

For accurate readings keep your fingers away from, and avoid obstructing airflow through, the holes in the casing around the humidity and air temperature sensors. Some time (~20 minutes) may be required to acclimatise the gauge once it is brought from a cold into a warm environment or vice versa

Regular calibration checks over the life of the gauge are a requirement of ISO 9000 and other quality procedures. For certification please contact Elcometer or your supplier.

The instrument does not contain any user-serviceable components. In the unlikely event of a fault, the instrument should be returned to your local Elcometer supplier or direct to Elcometer. The warranty will be invalidated if the instrument has been opened.

To avoid damage:

- When measuring surface temperature a light contact between the probe and the surface is sufficient - **DO NOT USE EXCESSIVE FORCE**
- Do not drag the surface temperature probe over the surface
- Keep the gauge away from paint dust and dirt as much as possible as these can affect the long term accuracy of the humidity sensor
- The gauge is dustproof and resistant to water jets and should not be affected by dust and moisture under normal conditions, however, the gauge should not be submerged in liquids

7 ADDITIONAL INFORMATION



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Gauge Dimensions: 147 x 75 x 35mm (6.8 x 3 x 1.4"). Gauge Weight: 300g (10.5oz).

Power supply: Battery/USB. Battery type 2 x AA/LR6 1.5V. Note the batteries supplied with the gauge have a maximum working temperature of 45°C (113°C).

Use of the gauge in excess of this temperature may require the use of alternate batteries. Users are responsible for selecting a battery appropriate to their operating temperature. Battery life (under average conditions): greater than 40 hours.

Elcometer recommend annual recertification of this product dependent on frequency of use. For contact details of all Distributors or Service Centres please see www.elcometer.com.

This product meets the Electromagnetic Compatibility Directive.

The product is Class B Group 1 ISM equipment according to CISPR11.

Group 1 ISM product: A product in which there is intentionally generated and/or used conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.

Class B product are suitable for use in domestic establishments and in establishments directly connected to a low voltage supply network which supplies buildings used for domestic purposes.

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