ATTX**200**

THERMOMETER – INTEGRAL PROBE WITH FLEXIBLE CABLE

Product Code: ATTX200

Klipspringer

Compliance with confidence

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1.0   INTRODUCTION

1.1   Congratulations on your purchase of this thermometer with an integral flexible cable. We hope that you can make use of this product for a long time and it helps you with your work.

1.2   Powered by a replaceable lithium battery, the thermometer is a handy, temperature measurement device for a whole range of measurement and control applications.

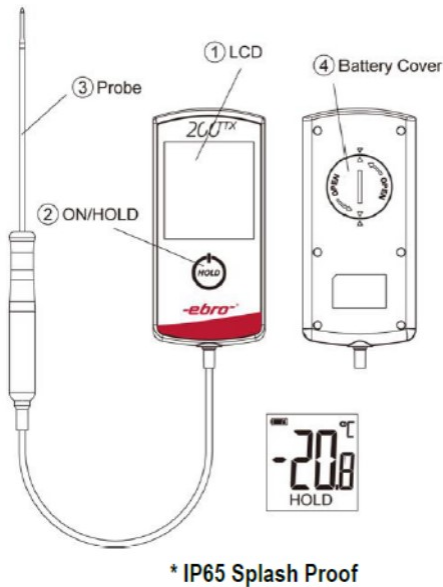## 2.0   CAUTION

The thermometer must be protected from the following:

2.1   Electrostatic discharge

2.2   Thermal shock caused through sudden extreme ambient temperature changes. Allow instrument to stabilise for up to 30 seconds when

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affected or when moving into extreme changes in ambient temperatures.

2.3   Do not leave the unit on or near objects of high temperature.

2.4   Keep out of reach of all children.

3.0 OPERATION

* IP65 Splash Proof

(1) LCD Display
(2) ON/HOLD
(3) Thermocouple probe
(4) Battery cover

3.1   To switch ON press and keep the ON/HOLD (2) for approximately one second.

3.2   LCD display (1); all the necessary information is displayed on the LCD. The individual symbols have the following meanings:
   –   Current Temperature measurement
   –   Minus symbol for negative measurement values

- Battery status indicator
- "HOLD" (Auto shut down after 10 minutes)
- Unit of measurement (°C/°F)

3.3 Select the required unit of measurement °C or °F.
- Switch on the device by pressing ON/HOLD (2). As soon as 'Ebro' is shown, press ON/HOLD (2) again for 3 seconds and release. The settings menu is active, and the current unit is shown.
- Press ON/HOLD (2) once, the display will switch to the next unit.
- Press ON/HOLD (2) for more than 2 seconds, the current unit will be stored, and then the settings menu will be left.

4.0 TEMPERATURE MEASUREMENT

4.1 As soon as you switch on the device, it starts to take a temperature reading every second.

4.2 Press ON/HOLD (2) once, the device stops measuring and the last reading is shown on the LCD display. ("HOLD" is shown on the LCD)

4.3 Press ON/HOLD (2) again, the device starts measuring again.

*The last measured value is frozen, and the thermometer deactivates itself automatically after about 10 minutes to save battery power.

5.0 BATTERIES

5.1 The thermometer incorporates visual low battery indication as follows:

Battery OK   Battery low   Battery exhausted

5.2 Battery replacement: when the 'Low battery' icon indicates the battery is low, the battery should be replaced immediately.

5.3 Remove battery cover (1) from the back of the thermometer using a coin or equivalent. Insert new CR2032 battery and replace cover.

Please note: it is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.

6.0   STORAGE AND CLEANING

6.1   Clean the device with a damp cloth.
Do not use any solvents such as Acetone as they corrode the plastic.
Isopropyl alcohol may be used to disinfect.

6.2   Do not submerge any part of the thermometer.

6.3   The thermometer should be stored at room temperature between -20 to +65°C (-4 to 149°F).

7.0   ERROR MESSAGES

"Hi"   Temperature measured is above +350°C/+1200°C

"Lo"   Temperature measured is below -50°C/-60°F

"Er2" Too quick a change in ambient temperature

"Er3" Ambient temperature below -20°C or above +50°C.
Bring thermometer within operating temperature range
and allow 30 minutes to stabilise.

"Er"   All other errors.
Reset the thermometer by removing the battery for 2 minutes.

8.0   SPECIFICATIONS

Accuracy	±0.5 between -30°C ... 100°C and 1% between 100.1°C ...199.9°C
Resolution	0.1°C
Measuring range	-30°C ...+199.9°C
Battery life	Typically, 100 hours on uninterrupted use
Operating temperature	-30°C ...+70°C

Dimensions	127 x 60 x 16mm without probe
IP rating	IP 65
Battery	CR2450
Warranty	2 years (if used under normal conditions)
Cable Material	Silicon

9.0 DISPOSAL

9.1 Instrument is subject to WEEE directive and must be disposed off appropriately. For further information or advice contact Klipspringer.

10.0 WARRENTY STATEMENT

10.1. This product has a 2-year manufacturers warranty against defective manufacturing, with the exception of the battery.