

ATFV215



Reference Precision Thermometer

Product Code: ATFV215


Klipspringer

Compliance with confidence

t/ +44 (0)1473 461 800
e/ service@klipspringer.com

www.klipspringer.com

Klipspringer Ltd

Rynor House, Farthing Road, IPSWICH, UK, IP1 5AP

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TABLE OF CONTENTS

1.	INTRODUCTION	4
2.	CAUTION	5
3.	OPERATION	5
4.	BATTERIES	6
5.	CARE AND MAINTENANCE	7
6.	SPECIFICATIONS	7
7.	DISPOSAL	8
8.	ASSURANCE	7

1.0 INTRODUCTION

- 1.1 Congratulations on your purchase of this Reference precision thermometer.
- 1.2 Powered by a x 2 replaceable Battery 1,5 Volt AA – included
- 1.3 The measuring device is used to measure temperatures in liquids, in air or in semi-solid (plastic or organic) materials.

Note on the maximum immersion depth:

ATFV215: <140°C maximum 100 mm

ATFV215: >140°C maximum 80 mm

Before you use this product:

- 1.4 Please make sure you read this instruction manual carefully.
- 1.5 Following and respecting the instructions in your manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
- 1.6 Likewise, we take no responsibility for any incorrect readings or for any consequences resulting from them.
- 1.7 We shall not be liable for any damage occurring as a result of not following these instructions.
- 1.8 Please take particular note of safety advice.
- 1.9 Please keep this instruction manual for future references.

2.0 CAUTION

This product is exclusively intended for the field of application described above. It should only be used as described within these instructions. Unauthorized repairs, modifications or changes to the product are prohibited.

- 2.1 Keep the instrument and the battery out of reach of children.
- 2.2 Batteries contain harmful acids and may be hazardous if swallowed. Batteries must not be thrown into the fire, short-circuited, taken apart or recharged. Risk of explosion!
- 2.3 Low batteries should be charged as soon as possible to prevent damage caused by leaking. Wear chemical-resistant gloves when handling leaking batteries.

Product safety:

- 2.4 Do not place the unit near extreme temperatures, vibrations or shocks.
- 2.5 Do not immerse the display unit in water. Water can penetrate and cause malfunction.

3.0 OPERATION

- 3.3 The battery is factory installed, when switched off, the display shows the battery capacity. The device has two buttons. To switch on, press one of the two buttons
- 3.4 The display briefly shows the firmware version and then the current measured temperature. The temperature sensor is located in the probe tip. In order to measure the correct temperature, the sensor should be at least 50mm in the sample to be measured.
- 3.5 To switch off device, press power key for 2 seconds. Device confirms on and off with a beep and will flicker for 3 seconds. Device switches to standby after 10 minutes.
- 3.6 During normal operation, the measuring device shows the remaining operating time in minutes and seconds in the right-hand corner of the

display. The device switched off after the time has elapsed. A short press of the power key restarts the counter. This turn-off timer can be deactivated: while switching the device on, press and hold the power button for 4 seconds until the beep. The device now shows ∞ indicating continuous operation mode. To deactivate this function, repeat the process.

- 3.7 Pressing and holding the mode button takes you to a submenu. The device remains in the submenu until the mode button is released. It flicks through menu items every second. To deactivate this function, repeat process.
- 3.8 Trend display, measured temperature value is shown in connection with a trend display



temperature rises rapidly



temperature rises slowly



temperature remains constant



temperature drops rapidly



temperature drops slowly

- 3.9 The permitted device temperature is 32°F – 122°F. A separate sensor measures the device temperature directly behind the display. If the device temperature exceeds the allowed range, a warning flashes on the display. Return to regular temperature immediately to avoid damage.

4.0 BATTERIES

- 4.1 For a long battery life, it is recommended to press the "ON/OFF" button to switch the instrument off when not in use.
- 4.2 When the battery is used up, the low battery icon appears.
- 4.3 Open the battery cover on the rear of the instrument, insert a new battery and tighten the cover again.
- 4.4 Replace batteries when the low battery indicator in the right corner of the display appears. Open battery compartment screw, replace with two batteries AA 1,5 Volt (LR6). Close batter compartment.
- 4.5 Battery life approx. 500 hours

5.0 CARE AND MAINTENANCE

- 5.1 Clean the device with a damp cloth.
Do not use any solvents or scouring agents.
- 5.2 Remove the battery from the device if it will not be used for an extended period of time.
- 5.3 Store the instrument in a dry place.

6.0 SPECIFICATIONS

Measuring range	-58°F ±482°F/ -50 ±250°C
Resolution	0.1°/0.01° selectable
Display	Paperwhite display 50 x 26mm
Working temperature	32°F 122VF / 0°C 50°C
Warranty	2 years
Dimension housing	140 x 50 x 22mm
Dimension probe	150 x 4.5mm
Weight	165g
Battery	2 x 1,5 Volt AA (LR6)
Probe type	Fixed probe
Battery life	500 hours
Certification	Free Calibration certificate supplied

7.0 DISPOSAL

This product has been manufactured using high-grade materials and components which can be recycled and reused.

- 7.1 Never dispose empty batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to appropriate collection sites depending to national or local regulations in order to protect the environment.
- 7.2 The symbols for the heavy metals contained are: Cd=cadmium, Hg=mercury, Pb=lead.
- 7.3 This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).
- 7.4 Please do not dispose of this instrument in household waste.
- 7.5 The user is obliged to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally compatible disposal.

8.0 ASSURANCE

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