

A8105



Fridge Alarm Thermometer

Product Code: A8105


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

TABLE OF CONTENTS

1.	INTRODUCTION	3
2.	CAUTION	3
3.	OPERATION	4
4.	TEMPERATURE INDICATION.....	5
5.	BATTERIES	5
6.	CARE AND MAINTENANCE	6
7.	TROUBLESHOOTING	6
8.	SPECIFICATIONS	6
9.	DISPOSAL	7
10.	ASSURANCE	7

1.0 INTRODUCTION

- 1.1 Congratulations on your purchase of this fridge alarm thermometer.
- 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.
- 1.3 Please make sure you read this instruction manual carefully. Please keep this instruction manual for future references.
- 1.1 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.
- 1.2 Likewise, we take no responsibility for any incorrect readings or for any consequences resulting from them.
- 1.3 We shall not be liable for any damage occurring as a result of not following these instructions.

2.0 CAUTION

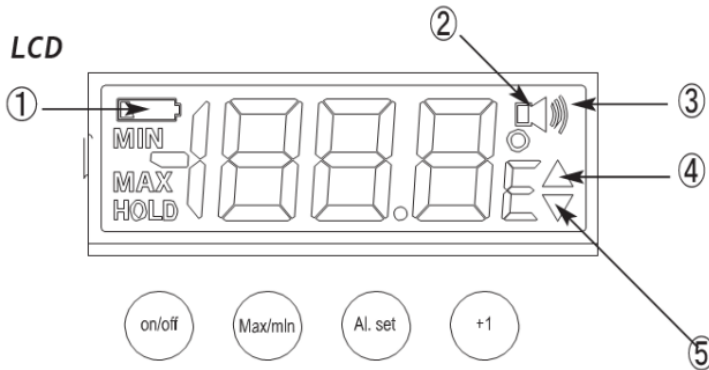
This product is exclusively intended for the field of application described above. It should only be used as described within these instructions.

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 recharge. 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.
- 2.4 Do not place the unit near extreme temperatures, vibrations or shocks.
- 2.5 Only the probe is heat resistant up to 70°C.
- 2.6 Do not immerse the display unit in water. Water can penetrate and cause malfunction.

3.0 OPERATION

3.1 Temperature measurements with waterproof cable sensor for food (in accordance with HACCP and EN13485), handcraft, laboratories, industry, agriculture and hobbies.



- (1) Battery Low
- (2) Alarm symbol
- (3) Buzzer alarm flashing icon
- (4) Higher alarm
- (5) Lower alarm

3.2 To install, remove the protective foil from the display. Open the battery cover on the rear of the instrument by opening two little screws next to the magnet by a screwdriver, remove the insulation strip and tighten the cover again. The unit is now ready for use.

3.3 Press the ON/OFF button to switch the instrument on and off. Settings are preserved, for measurements and alerting the instrument must be switched on.

3.4 Hold, Max/Min function

- When pressing the “MAX/MIN” button, the present display is held (HOLD)
- Pressing again the “MAX/MIN” button, the display shows the maximum temperature since the last reset (MAX).
- When pressing the “MAX/MIN” button again, the display shows the minimum temperature since the last reset (MIN).
- To go back to the present temperature, press the “MAX/MIN” button once more.

- To reset the maximum or minimum temperature values, hold the “MAX/MIN” button for 3 seconds, while MAX or MIN is indicated (---)

4.0 TEMPERATURE INDICATION

- 4.1 The present temperature in °C or °F measured by the cable sensor is indicated on the display. Press the +1- switch to change from °C to °F readout.
- 4.2 Upper limit/lower limit temperature alert
- To set an upper temperature limit (that means that when passing the temperature an alarm is beeping) press the “AL SET” button in normal mode. The upper temperature limit 5 is shown and it is flashing. Set the desired temperature by pressing the +1-button. Hold and press the button for a fast count. Now you can activate (alarm symbol appears) or deactivate (alarm symbol disappears) the alarm pressing the “MAX/MIN” button. Confirm by pressing the “AL SET” button.
 - The lower temperature limit 6 is shown and it is flashing. To set a lower temperature limited (that means that when falling below the temperature an alarm is beeping) press +1-button. Hold and press the button for a fast count. Now you can activate or deactivate the alarm pressing the “MAX/MIN” button. Confirm by pressing the “AL SET” button.
 - After setting temperature alarm the symbols 5 6 show, if an upper or lower temperature alarm is activated.
 - When passing or falling below the selected temperature limit an alarm signal will sound for 1 minute, the buzzer alarm icon and the corresponding arrow 5 or 6 will flash. The alarm and the buzzer alarm icon can be turned off manually by pressing any button.
 - When the temperature is again within the selected limited the alarm signal will stop (within 1 minute), and the buzzer alarm flashing icon disappears. The arrow keeps on flashing showing that the temperature was higher/lower than present value at least once in the past.
Press +1-button and the arrow will stop flashing.

5.0 BATTERIES

- 5.1 For a long battery life, it is recommended to press the “ON/OFF” button to switch the instrument off when not in use.

- 5.2 When the battery is used up, the low battery icon appears.
- 5.3 Open the battery cover on the rear of the instrument, insert a new battery CR2032 3V Lithium and tighten the cover again.

6.0 CARE AND MAINTENANCE

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

7.0 TROUBLESHOOTING

No display	Ensure battery polarity is correct (+ pole face up)
	Change the battery
	Switch the instrument (ON)
Incorrect display	Change the position of the cable sensor
	Change the battery

8.0 SPECIFICATIONS

Accuracy	$\pm 0.5^{\circ}\text{C}(-20^{\circ}\text{C}...+25^{\circ}\text{C})$, remaining $\pm 1^{\circ}\text{C}$
Resolution	0.1°C
IP rating	IP65
Sensor	NTC
Dimensions	86 x 57 x 30 mm (LxWxH)
Weight	100 g
Measuring range	-40°C...+70°C
Tube	30 x 5 mm (LxD)
Cable length	Approx. 3m

- 8.1 This product fulfils the guidelines according to EN 13485
In accordance with EN 13485, this instrument is subject to regular inspections as per EN 13485 (recommendation: yearly)/

9.0 DISPOSAL

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

- 9.1 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.
- 9.2 The symbols for the heavy metals contained are: Cd=cadmium, Hg=mercury, Pb=lead.
- 9.3 This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).
- 9.4 Please do not dispose of this instrument in household waste.
- 9.5 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.

10.0 ASSURANCE

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

