

LAZATHERM200



DIGITAL PROBE THERMOMETER

Product Code: ACFX200


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

This page is intentionally left blank.

TABLE OF CONTENTS

1.	INTRODUCTION	4
2.	CAUTION	4
3.	OPERATION	4
4.	TEMPERATURE MEASUREMENT	5
5.	CHANGING DETACHABLE PROBE	5
6.	AUTO-OFF POWER FUNCTION	5
7.	BATTERIES	5
8.	TECHNICAL DATA	6
9.	SERVICE	6
10.	CLEANING	6
11.	CALIBRATION	7

1.0 INTRODUCTION

- 1.1 Congratulations on your purchase of your ACFX200 LAZATHERM200 thermometer from Klipspringer. With considerate operation it should provide accurate and stable measurements for a long time to come.
- 1.2 The thermometer is robust, simple to use, IP67 rated and designed to fit comfortably into the hand.
- 1.3 The instrument electronics are controlled by a microprocessor ensuring precision in measurement over the whole temperature range.
- 1.4 All temperature readings, fault detections, functions etc will display clearly as LCD on the large visual display.

2.0 CAUTION

The thermometer much be protected from:

- 2.1 Electrostatic discharge
- 2.2 Thermal shock caused through sudden extreme ambient temperature changes. Allow instrument to stablise for up to 30 seconds when affected or when moving into extreme changes in ambient temperatures.
- 2.3 Contact or close proximity to high heat sources.

3.0 OPERATION

- 3.1 To switch ON press and release the “ON/OFF” keypad button.
- 3.2 LCD Display Test; when the instrument is first switched on, all LCD segments will activate.
- 3.3 Following the automatic electronics test, the temperature of the probe is displayed and the instrument is ready to use.

4.0 TEMPERATURE MEASUREMENT

- 4.1 Ensure that the thermometer probe is inserted to a preferred depth of 25mm into the medium and that contact is maintained until readings become stable.

5.0 CHANGING THE DETACHABLE PROBE

- 5.1 Undo knurled connector anticlockwise until free.
- 5.2 Carefully pull probe away from instrument. NB. Never pull by cable. NEVER ATTEMPT TO TWIST CONNECTOR FREE.
- 5.3 To reconnect, gently rotate probe connector against connection port in thermometer. When rib aligns with groove, slide probe connector into place.
- 5.4 Engage knurled collar and screw to hand tight tension. DO NOT OVERTIGHTEN.

6.0 AUTO-OFF POWER FUNCTION

- 6.1 Instrument automatically switches off after 30 minutes if no key functions are performed.

7.0 BATTERIES

- 7.1 The battery symbols indicate power status.



Battery operational



Battery operational



Battery operational



Battery operational

- 7.2 To change batteries, unscrew six retaining fasteners and lift cover clear.
- 7.3 Remove spent batteries. Check polarity and insert new batteries.

- 7.4 Check rubber seal is correctly aligned. Replace cover.
- 7.5 Replace and tighten screws and tension evenly. DO NOT OVERTIGHTEN.

8.0 TECHNICAL DATA

Measuring range	-100...+300°C
Accuracy	±0.5°C
Resolution	0.1°C
Operating range	-10...+60°C
Sampling rate	2 times per second
Protection class	IP67
Battery	3x AAA (1.5v)
Battery life	Approx. 100hrs
Sensor type	Pt1000
Compatible probes	SPA series (exclusive to Klipspringer).

9.0 SERVICE

- 9.1 For service and repairs please send the unit to the address below in the box provided for your use. The instrument contains delicate electronic components and attempts to enter instrument beyond the need to change batteries may invalidate your warranty.

Address: Service Centre, Klipspringer Ltd, Rynor House, Farthing Road, IPSWICH, IP1 5AP, UK.

10.0 CLEANING

- 10.1 Cleaning is best performed by wiping with a soft cloth and mild soap solution. Do not use solvents.

11.0 CALIBRATION

- 11.1. In order to guarantee optimum precision, we recommend that this instrument should be laboratory calibrated each year.
- 11.2. You are invited to register for our automatic recalibration recall. Klipspringer will automatically notify you of the due date for calibration in approximately 11 months' time.
- 11.3. The thermometer will be returned within one week of receipt accompanied by a certificate of calibration.
- 11.4. Klipspringer is a UKAS accredited laboratory for temperature calibration (0764) in accordance with International Standard ISO/IEC 17025. This service is provided to cover almost any brand of hand-held probe thermometer.

