OPERATION MANUAL

Digital Thermometer RT903
with external probe

Features

- IP65 protection
- Large measuring range
- Alarm function
- HOLD-Function
- Memorisation of MIN- and MAX-Values
- Auto-Off
- Stainless Steel handheld probe
- °C / °F switching option

Functions / Operating advices

Startup
Press the ON / OFF key to switch the device on or off. The thermometer will perform a self test after having been switched on. During the self test all LED segments highlight for about 2 seconds. After the self test the actual temperature is indicated on the display. Press the °C/°F-key to switch the temperature unit between °C and °F. To proceed a precise measurement the probe has to be immersed about 25 mm (at least) in the measuring medium. The device can not be switched off when the HOLD ort he MIN/MAX function is active.

The limits of temperature range and operating temperature ranges have to be strictly observed. Ignoring these limits may damage irreversibly the probe ort he device.

HOLD-Function
Press the HOLD-key to freeze the last measured value on the display. When the HOLD function is active a „HOLD" indication is blinking in the display . Press again the HOLD key to return back to the normal indication.

MIN- and MAX-Values
Press the MAX/MIN-key to display theMAX-reading.. „MAX" will blink on the Display. Press the key again to switch to the MIN- Value. „MIN" will blink on the display. Pressing the key a third time will switch the thermometer to the normal operation.

To reset the MIN / MAX memory hold the MIN/MAX key pressed for about three (3) seconds.

Alarm Setting
Press the SET key and the high (HI) limit value (default is off) is flashing. With the UP and DOWN keys you can set the desired limit for the high alarm. Press SET again to switch to the low limit value (LO). Set the desired value for the low alarm with the UP and DOWN keys. Press the SET key again to finish the alarm settings. When the reading is out of the limits set the alarm will be ON for 10 s and off for 5 s. To stop the alarm press any key. The LO or HI will still flashing until the reading returns within the limits.

Battery replacement
Use a suitable cross head screw driver to loosen the 4 screw on the back side of the case. Replace the battery with a new one. Close again the case and tighten the screws. Use only adequate batteries

Attention
Please avoid extreme mechanical and inappropriate exposure.
The device/product is not suitable for potential explosive areas and medical-technical applications.

Technical Data

Digital Thermometer RT903	
Range	-50 … +300°C (0560 0055)
	-50 … +200°C (0560 0055-10)
Accuracy	± 1°C between -20°C…+150°C
	± 2°C below -20°C and
	between +150…+200°C
	± 4°C über +200°C
Resolution	0,1
Resolution Alarmsetting	1°C
Measuring rate	1 sec
Operating temnperature	0…+50°C
Display	48 x 20,7 mm
Dimensions	71 x 114 x 19 mm
Probe	Ø 3,5 x 125 mm
Cable	1000 mm
Battery	1,5 V Typ AAA
CE conformity	2004/108/EG

Ordering information

Article no.	Article
0560 0055	Digital Thermometer, Measurement Range -50 …+300°C
0560 0055-10	Digital Thermometer, Measurement Range -50 …+200°C

Technical changes reserved
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