DOSTMANN electronic

Instrument P470



English language

User Manual

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1. Handling

1.1 General advice

- For cleaning the instrument please do not use abrasive cleaner, but a dry or damp cloth.
- Please store the measuring instrument in a dry and clean place when not in use.
- Avoid any force like shocks or pressure to the instrument.
- Do not use force to connect the probe or interface plugs in. The interface plug is different from the probe plug.
- If no sensor is connected to the instrument while switching on "OPN" shows on the display (Please refer to chapter error codes/troubleshooting).
- A retractable stand on the back of the instrument allows it to be used as a bench top instrument.

1.2 Operation

Before switching on the instrument, connect the probe/s to the instrument and insert the battery (Please refer to chapter 6. Power supply / battery changing). A number on the instrument's housing marks each port.

1.3 Switching on and off



By operating the ON/OFF-key the instrument switched on or off. After switching on the instrument indicates a full segment test for 1,5 sec. afterwards the instrument starts operating in measurement mode indicating the actual measurement temperature.

1.4 4 Functions



1.4.1 Measuring unit switching °C and °F (Celsius / Fahrenheit)

To change the measuring unit push ON/OFF- and AUTO/OFF-Button simultaneously until the measurement value will shown.

1.4.2 Dewpoint Temperature indication

To change the indication from %rH to temperature dewpoint push button %/Td.

1.4.3 Calibration

The instrument offers an easy calibration function to adjust the temperature at one point – to compensate sensor tolerances.

Push once the Hold-Button. On the bottom of the display you will see HLD and the displayed measurement value is "frozen". By using now the CLEAR-Button the instrument switch to CAL-mode. On the instrument you will see:

0.0°C

The first 0 is blinking. By using the %/Td you increase the blinking figure and by using the AUTO/OFF-Button you decrease the measurement value. By using the Hold button you will switch to the next figure or you will end the adjustment.

Note: The mentioned offset will add or subtract(negative value) from the measurement.

0.0%rH

To adjust the relative humidity the procedure is just the same. To finish the calibration press once the HLD-Button again. To indicate that there is an adjustement active we display the Arrows $\uparrow \downarrow$ on the LCD

Note: For deactivating the calibration you push once the HLD-Button. The HOLD-Symbol appears on the LCD, afterwards you push twice the CLEAR-Button. The Instrument switch to the measuring mode and the Arrows $\uparrow \downarrow$ has been disappeared.

1.5 Recalling the memory data (HOLD MAX MIN AVE)

After pushing first time the key [HOLD MAX MIN AVE] the actual value will be held on the display. Pushing again the key [HOLD MAX MIN AVE], the saved maximum-, minimum and average value will be displayed.

Note: During the recall of the memory data the extremes (MAX MIN) and the average value (AVE) will not be calculated or carried on.

Clearing the memory (MAX MIN AVE)

Press [CLEAR] key once to erase the stored maximum, minimum and average from memory

1.6 AUTO-OFF-function

P470 instrument will switch off automatically after 15 minutes without pressing any key. Pressing the CLEAR-Button and switching on the instrument simultaneously can disable this function when **dAo** is displayed.

2. Spannungsversorgung

Power supply

For the power supply of the instrument two 1,5 Volt battery (AA size) are used. To exchange the batteries switch off the instrument and open the battery cover on the back of the instrument. Replace the used batteries with new ones.

When the instrument displays the "BAT" segment, it indicates that the batteries need replacing and the instrument allows app. 1 hour of further measurement time.

Note: For protection of our environment please dispose of the batteries according to current local regulations.

	P470	
	Humidity	Temperature
Range	0100%rH	-40°C…+70°C
Accuracy	+-2%rH	+-0,3°C
(+- 1 Digit)	(only instrument)	(only instrument)
Resolution	0,1%rH von 0%rH100%rH	0,1°C von -40°C+70°C,
Connection	DIN 8-pole	DIN 8-pole
Working		
temperature	-20°C +50°C	-20°C +50°C
Display	2-zeilige LCD	2-zeilige LCD
Housing	Plastic (ABS)	Plastic (ABS)
Dimensions	130 x 65 x 25 mm (LxWxH)	130 x 65 x 25 mm (LxWxH)
Weight	240 g	240 g
Power supply	2 x 1,5 Volt AA	2 x 1,5 Volt AA
Batt. Lifetime	Appr. 200 hours	Appr. 200 hours

3. Technical Data

4. Guarantee

With normal use, the guarantee lasts for 12 months for the instruments and 6 months for the probes and sensors. Opening of the instruments leads to expiration of guarantee.

The producer guarantees that his product will not have any material defect or defect in workmanship during the above-mentioned period if the product is accordingly used and maintained. Exceptions are defined in the following way:

The guarantee does not apply for batteries and fuses. The guarantee does not cover products that are damaged, used improperly or negligent, practised or stored incorrectly.

These guarantee conditions replace all possible expressly or tacitly confirmations. No liability will be assumed for special, casual or constructive damages when it occurs through unauthorized act or through another way even if it is within the contract.