

Precision Measuring Instrument H560 Dewpoint Pro

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.
- 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 insert the battery (Please refer to chapter 6. Power supply / battery changing).

1.3 Switching on and off

By operating the ON/OFF-key the instrument switched on or off. For switching off please keep the ON/OFF-key pressed for appr. 3 seconds.

1.4 Functions



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

To change the measuring unit push °C/°F-key once.

1.4.2 CAL-option (how to adjust the instrument)

Press down Max/Min key and Clear key together down for 5 seconds, the display will show 0% only. You enter the calibration mode. Press Td/Tw key, will see the display change from 0% to 1%, 2% etc. Select the compensation you want say 2 % then press Max/Min to exit. All the humidity value will be add 2%.

When in calibration mode as above, press Clear key once, you enter the calibration of temperature. Press Td/Tw key to select the value of compensation.

1.4.3 Display MAX MIN

Press down Max/Min-key, the display will show the highest humidity and temperature measurement; after pushing again the key the display will show the lowest measurements.

Clearing the memory (MAX MIN)

Press CLEAR/AUTO key in the MAX- and in the MIN-Mode to delete MAX/MIN-memory.

1.4.4 HOLD

Press HOLD key to freeze the actual display measurement. Press HOLD key again to release.

1.4.5 AUTO-OFF-function

To enable the AUTO-OFF-function press down CLEAR/AUTO key for appr. 3 seconds. On the display appears AUTO OFF. The instrument will switch off automatically after 15 minutes without pressing any key. Pressing the AUTO-OFF key again the instrument will not switch off automatically.

1.4.6 Dewpoint-Wetbuld indication

Press Td-Tw key to indicate the dewpoint and wetbulb temperature.

2. Power supply

For the power supply of the instrument two 1,5 Volt battery (AAA 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.

Temperature

Measuring range -40..+70°C

Display resolution 0,1°C

Accuracy $\pm 0,5^\circ\text{C}$

Humidity

Measuring range 0..99%rF

Display resolution 0,1%

Accuracy $\pm 3\%$ (10..90%) remaining range $\pm 4\%$

Working

temperature -40..70°C

Battery life time Typical 1000 hours by continuously use

Battery 2 x 1,5 Volt AAA size

Dimensions 170 x 50 x 17 mm

Weight 100gr. (incl. packaging)

Functions: Max/Min/Hold-Function, dewpoint,
wetbulb, calibration certificate as an
option
C/F-switchable

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.