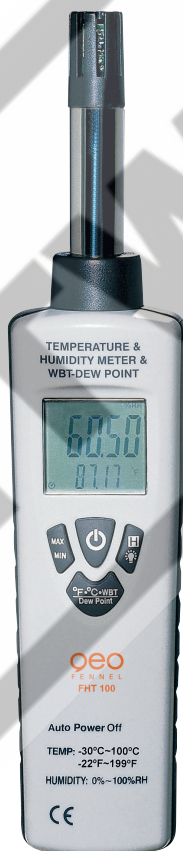


FHT 100

BEDIENUNGSANLEITUNG
USER MANUAL
MODE D'EMPLOI



Dear customer,

Thank you for your confidence in us having purchased a **geo-FENNEL** instrument.
This manual will help you to operate the instrument appropriately.

Please read the manual carefully - particularly the safety instructions. A proper use only guarantees a
longtime and reliable operation.

geo-FENNEL
Precision by tradition.

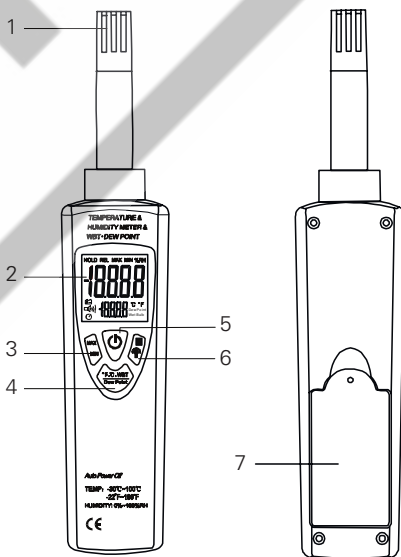
Contents

1. Keypad
2. Supplied with
3. Operation
4. Care and cleaning
5. Safety instructions

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KEYPAD

1. Humidity / Air Temperature Probe
2. LCD Display
3. MAX/ MIN Button
4. °F, °C, Dew Point, Wbt Select Button
5. Power ON/OFF Button
6. HOLD /Backlight Button
7. Battery Compartment



Technical Data

Display	Large 4-1/2 dual digital LCD display with backlight
Sensor Type	A single chip relative humidity and temperature multi sensor module comprising a calibrated digital output.
Response Time	%RH:10S (90% at +25° still air)
Accuracy Note	Accuracy is specified for the following ambient temperature range: 64 to 82°F (18 to 28°C)
Sampling Rate	2,5 samples per second
Operating Conditions	0 – 40°C, < 80 % RH, non-condensing
Storage Conditions	-10 bis + 60°C, < 80 % RH, non-condensing
Batterieanzeige	Anzeige im Display, wenn Batterie ausgetauscht werden muss
Auto Power off	Meter automatically shuts down after approx.15 minutes of inactivity
Power supply	1 x 9V batterie (006P or NB1604)
Size	225 x 45 x 34 mm
Weight	200 g
Humidity	0 % - 100 % RH
• Humidity Accuracy	+/- 2 % RH (at 25 °C, 20 – 80 %RH) +/- 2,5 % RH (at other ranges)
Temperature	-30 °C at + 100°C
• Air Temperature Accuracy	+/- 0,5 °C (at 25 °C) +/- 0,8 °C (at other ranges)
Resolution	0,01 % RH, 0,01°C
Low Battery Indication	 is displayed when the battery voltage drops below the operating level.
Over-range	OL mark indication

SUPPLIED WITH

- Digital Humidity and Temperature Meter
- Battery
- Case
- Users' manual

C OPERATION

- Turn the meter power ON/OFF.
- To override Auto Power Off function (Non-Sleep Mode): Firstly press hold/backlight button, then press power button. After the full display appears, release both buttons. Icon “” will not shown on the LCD. The unit will not auto power off now.
- Hold the probe in the area to be tested & allow adequate time for readings to stabilize.
- Press °F, °C, dew point, WBT select Button to enter select °F, °C, dew point Wet Bulb Measurement. WET BULB is the evaporation temperature at the current humidity. DEW POINT is the temperature at which humidity condenses.
- Read the Relative Humidity and Air Temperature, dew point temperature wet bulb temperature
- MAX/ MIN Button: Press **MAX/MIN** button to enter **MAX, MIN** Recording mode (manual range only). Select the proper range before selecting **MAX MIN** to ensure that the **MAX/MIN** reading will not exceed the testing range. Press once to select **MAX**. Press again to select **MAX**. Press and hold the Button for over 2 second to turn off **MAX, MIN** Recording.
- DATA HOLD: Press Hold/backlight Button to enter hold function. The reading will be held when Data Hold button is pressed.
- Press Hold/backlight Button for over 2 seconds to turn on or off backlight function.

D CARE AND CLEANING

BATTERY REPLACEMENT

If the sign  appears on the LCD display, it indicates that the battery should be replaced. Open the battery case and replace the exhausted battery with new battery. (1 x 9V battery NEDA 1604, 6F22 or equivalent).

Warning:

- Do not immerse the probe in liquid; it is intended for use in air only.
- Don't expose the sensor to direct sunlight (in solution).
- Don't touch or manipulate the sensor.