

PORTABLE THERMOHYGROMETER

**** code 288C ****



This Thermohygrometer is a portable instrument with a large LCD display. It measures relative humidity and temperature using the optional combined probe humidity/temperature. When the combined probe is connected, the instrument calculates and displays the absolute humidity, the dew point, the partial vapour pressure. The probe is fitted with an automatic detection module, with the factory calibration settings already being memorized inside. The Max, Min and Avg function calculate the maximum, minimum or average values. Other functions include: the relative measurement REL, the HOLD function, and the automatic turning off that can also be disabled.

Other probes are available on request for measure temperature only, measured by immersion, penetration or contact probes, or probes for relative humidity measure only.

Working range:

5 - 98% UR
-20°C - +80°C

Accuracy:

± 2% (5 - 95% UR) ± 3% (others UR fields)
± 0.3°C.

Measurement of temperature by Instrument

PT100 measurement range -200 - +650°C
PT1000 measurement range -200 - +650°C
Resolution 0.1°C
Accuracy ±0.1°C
Drift after 1 year 0.1°C/year

Measurement of relative humidity by Instrument

Measurement range 0 - 100%RH
Resolution 0.1%RH

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Accuracy $\pm 0.1\%RH$

Drift after 1 year $0.1\%RH/year$

Measuring unit °C - °F - %RH - g/m³ - Td - hPa

Environmental Operating conditions

Operating temperature -5 - +50°C

Stocking temperature -25 - +65°C

Working relative humidity 0 - 90%RH without condensation.

Protection degree IP67

Instrument dimensions

Dimensions (L x W x H) 140 x 88 x 38 mm.

Weight 160g (complete with batteries)

Materials ABS

Display 2x4^{1/2} digits plus symbols

Visible area: 52 x 42mm

Power

Batteries 3 1.5V type AA batteries

Autonomy 200 hours with 1800 mAh alkaline batteries.

Power absorbed with instrument off 20 μA .

Connections

Input module for the probes 8-pole male DIN 45326 connector.

The kit is composed by: instrument, alkaline batteries, operating manual, case

ACCESSORIES

Relative Humidity and Temperature Combined Probe.

Combined probe %RH and temperature, dimensions $\varnothing 26 \times 170$ mm. Connection cable length 2 meters. Code 288C.10

Saturated solution for calibration of relative humidity probe

Saturated solution at 11.3%RH at the temperature of +20°C code 288C.2

Saturated solution at 33.0%RH at the temperature of +20°C code 288C.4

Saturated solution at 75.4%RH at the temperature of +20°C code 288C.6

Calibration report, code 288.CC1

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