

HUMIDITY/TEMPERATURE MEASURING DEVICE



GFTH 95

Art. no. 600245
Hygro-/Thermometer

Application:

Quick-response humidity and temperature measurements in EDP rooms, museums, galleries, churches, office complexes, workshops, storage rooms, swimming-baths, private buildings, greenhouses, for refrigeration engineering, air conditioning, for building sites / technology, for inspectors or rendering of expert opinions etc.

Specifications:

Measuring range

°C: -20.0 ... +70.0 °C

% RH: 10 ... 95 % RH (recommended range: 30 ... 80 %)

Resolution: 0.1 °C or 0.1 % RH

Accuracy: (±1 digit) (at nominal temperature = 25 °C)

Temperature: ±0.5 % of m.v. ±0.1 °C

Humidity: ±3 % RH (for range 30 ... 80 %)

Measuring probe

Temperature: Pt 1000

Humidity: capacitive polymer humidity sensor

Response time: $T_{90} = 15$ s

Display: 3½-digit, 13 mm high LCD-display

Pushbuttons: slide switch for selection of measuring range

Nominal temperature: 25 °C

Operating conditions

Electronic: -20 ... +70 °C; 0 ... 80 % RH (non-condensing)

Sensors: -20 ... +70 °C; 0 ... 100 % RH

Power supply: 9 V battery

Battery life: approx. 3000 h

Housing: impact resistant ABS-housing

Dimensions: approx. 106 x 67 x 30 mm (H x W x D), plus sensor head protruding at the longer side 35 mm long and 14 mm Ø, overall length 141 mm.

Weight: approx. 135 g incl. battery

Scope of supply: Device, battery, manual

Accessories and spare parts:

GB 9 V

Art. no. 601115
Spare battery 9V, type IEC 6F22

GKK 252

Art. no. 601056
case (235 x 185 x 48 mm) with foam lining

ISO-WPF4

Art. no. 602543
ISO certificates for ISO9000ff (p.r.t. page 15)

HUMIDITY / TEMPERATURE / DEW POINT MEASURING DEVICE



GFTH 200

Art. no. 600249
Hygro-/Thermometer

General:

Because of the low power consumption and the integrated min-/max-value memory the GFTH 200 is perfectly suitable for long term climate surveillances.

Specifications:

Measuring range

Temperature: -25.0 ... +70.0 °C; -13.0 ... +158.0 °F

% RH: 0.0 ... 100.0 % RH (recommended range: 11 ... 90 % RH)

Td: (Dewpoint) -40.0 ... +70.0 °C or -40.0 ... +158.0 °F

Resolution: 0.1 % RH, 0.1 °C or 0.1 °F

Accuracy (±1 digit) (at nominal temperature = 25 °C)

Temperature (internal): ±0.5 % of m.v. ±0.1 °C

Temperature (external): 0.1 °C (device) + probe accuracy

Humidity: ±2.5 % RH (for range 11 ... 90 %)

Measuring probe

Temperature: Pt 1000

Humidity: capacitive polymer humidity sensor

Response time: $T_{90} = 10$ s

Terminal for external probe: for connection of any Pt1000-probes with 3.5 mm mono plug (for suitable probes p.r.t. page 21-23)

Display: 3½-digit, 13 mm high LCD-display

Pushbuttons: 3 keys for On/Off, min-/max-value display and hold. Slide switch for selection of measuring range.

Nominal temperature: 25 °C

Operating conditions

Electronic: -25 ... +70 °C; 0 ... 80 % RH (non-condensing)

Sensors: -25 ... +70 °C; 0 ... 100 % RH

Power supply: 9 V battery

Battery life: >2 years at 1 measuring / 60 s approx. 120 days at 1 measuring / s (mode FAST)

Housing: impact resistant ABS-housing

Dimensions: approx. 106 x 67 x 30 mm (H x W x D), plus sensor head protruding at the longer side 35 mm long and 14 mm Ø, overall length 141 mm.

Weight: approx. 135 g incl. battery

Scope of supply: Device, battery, manual

HIGHLIGHTS:

- External Pt1000 temperature probe connectable
- Relative humidity, temperature and dew point in just one instrument

Accessories and spare parts:

GOF 175 Mini

Art. no. 600436
Surface probe for solid surface

further temperature probe

refer to page 21

GKK 252

Art. no. 601056
Case (235 x 185 x 48 mm) with foam lining

ISO-WPF4

Art. no. 602543
ISO certificates for ISO9000ff (p.r.t. page 15)

COMPLETE SOLUTION

GFTH 200-WPF4

Art. no. 602678
Complete solution incl. ISO-WPF4 (~20 % / ~40 % / ~60 % / ~80 % RH increasing and decreasing) and case GKK 252.



EASY SEARCH FOR THERMAL BRIDGES

GFTH 200 SET

Art. no. 600285
Measuring set incl. infrared thermometer GIM 530 MS and case GKK 3600

General:

The additional infrared thermometer contained in the GFTH 200 SET makes it easy to check mould-problem areas on walls etc. The wall can easily scanned by means of the laser beam within very short time. When wall temperature falls below the critical dewpoint (this is, when the wall gets wet), the device alerts with an audible signal.

Advantages GFTH 200 SET:

- targeting laser for precise location even of inaccessible areas
- audible alarm below dewpoint
- fast evaluation of mould-problem areas

Scope of supply: GFTH 200, GIM 530 MS, battery, GKK 3600, manual

GIM 530 MS:

for technical data for this instrument please refer to page 36.