

## Humidity/Temperature Measuring Device



FUNCTIONS:



### GFTH 95

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.

#### Specification:

##### 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

Operation elements: 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

Power consumption: max. 0.1 mA

Housing: impact resistant ABS-housing

Abmessung: 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:

**GKK 252** case (235 x 185 x 48 mm) with foam lining

**GB 9 V** spare battery

**Certificate of calibration WPF4** for ISO9000ff (p.r.t. page 7)

## Humidity / Temperature / Dew Point Measuring Device



FUNCTIONS:



**RELATIVE HUMIDITY, TEMPERATURE AND DEW POINT IN JUST ONE INSTRUMENT**

### GFTH 200

Hygro-/Thermometer

#### Features:

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

#### Specification:

##### 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 13)

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

Power consumption: approx. 9 µA at 1 measuring / 60 s approx. 100 µA at 1 measuring / s (mode FAST)

Housing: impact resistant ABS-housing

Abmessung: 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 GFTH 200:

- high accuracy
- external Pt1000 temperature probe connectable
- offset and slope correction
- extrem low power consumption



GFTH 200 SET

**EASY SEARCH FOR THERMAL BRIDGES**

### GFTH 200 SET

Measuring set incl. infrared thermometer GIM 530 MS and case GKK 3000

#### Features:

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 be 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 3000, manual

#### GIM 530 MS:

for technical data for this instrument please refer to page 24.

#### Accessories and spare parts:

##### GOF 175 Mini

Temperature probe für surface temperature measuring (p.r.t. p. 13)

further temperature probes **siehe Seite 13**

##### GKK 252

case (235 x 185 x 48 mm) with foam lining

**Certificate of calibration WPF4** for ISO9000ff (p.r.t. p. 7)

##### GFTH200 - WPF4

Complete offering device incl. certificate of calibration and case (p.r.t. p. 7)