

## HUMIDITY/TEMPERATURE MEASURING DEVICE



FUNCTIONS:



### GFTH 95

Product-ID: 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<br>(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

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**  
Product-ID: 601115  
spare battery

**GKK 252**  
Product-ID: 601056  
case (235 x 185 x 48 mm) with foam lining

**WPF4**  
Product-ID: 602543  
Certificate of calibration for ISO9000ff (p.r.t. page 7)

## HUMIDITY / TEMPERATURE / DEW POINT MEASURING DEVICE



FUNCTIONS:



GFTH 200

### GFTH 200

Product-ID: 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;<br>-13.0 ... +158.0 °F              |
| % RH:          | 0.0 ... 100.0 % RH<br>(recommended range: 11 - 90 % RH) |
| Td: (Dewpoint) | -40.0 ... +70.0 °C or<br>-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

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

**EXTERNAL PT1000  
TEMPERATURE PROBE CONNECTABLE**

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

#### Accessories and spare parts:

**GOF 175 Mini**  
Product-ID: 600436  
temperature probe for surface temperature measuring (p.r.t. page 13)

further temperature probe refer to page 13

**GKK 252**  
Product-ID: 601056  
case (235 x 185 x 48 mm) with foam lining

**ISO-WPF4**  
Product-ID: 602543  
Certificate of calibration for ISO9000ff (p.r.t. page 7)

## COMPLETE SOLUTION

### GFTH 200-WPF4

Product-ID: 602678  
Complete solution incl. certificate of calibration WPF4 (~20 % / ~40 % / ~60 % / ~80 % RH increasing and decreasing) and case GKK 252.



GFTH 200 SET

**EASY SEARCH FOR  
THERMAL BRIDGES**

### GFTH 200 SET

Product-ID: 600285  
Measuring set incl. infrared thermometer GIM 530 MS and case GKK 3000

#### 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 3000, manual

GIM 530 MS:  
for technical data for this instrument please refer to page 24.