



Indicator for moisture in wood and buildings

GMI 15

Device for high-speed determination of moisture in buildings, contracting work etc. The GMI 15 allows detection of moisture in wood down to a depth of approx. 3 cm and in concrete or wash floor down to a depth of approx. 4 cm. Detection of moisture behind ceramic tiles and/or various wall or floor coverings.

To check moisture simply place device on the surface to be measured - no injection into the measuring object required.

Specification:

Display: 3½-digits, 13mm high LCD

Power supply: 9V-battery (type IEC 6F22)

Power consumption: approx. 5mA

Low battery warning: „BAT“ displayed automatically in case of low battery.

Working temperature: 0 to 50° C

Storage temperature: -20 to +70° C

rel. humidity: 0 to 80 % r.h. (non-condensing)

Housing: Impact resistant ABS plastic housing, approx. 106 x 67 x 30 mm (H x W x D).

Weight: approx. 150 g (ready for use)

Display range:

concrete / floor pavement

0 ... 5 = dry

6 ... 9 = humid, normal humidity level

10 ... = wet

wood / fiber glas reinforced polyester

0 ... 3 ~ 0...12% : dry

3 ... 6 ~ 12...20% : air-dry

6 ... 11 ~ 20...30% : wind-dry

11 ... ~ 30% ... : wet

Application e.g. for:

- estate agents
(for fast control state of buildings)
- property management, house owners
- architects
- building experts
- building contractors
- mobile homes (moist in insulations)
- polyester boats

*"an easy to use
but very effective device"*

Note: The GMI15 ist an indicator for fast the estimation - it does not replace precision instruments like the GHH91KK



Digital-Hygro-/Thermometer
GFTH 200

Advantages:

- relative humidity, temperature and dew point in just one instrument
- min-/max-value memory for all 3 measurements
- hold-key to freeze all 3 measuring values
- high accuracy by means of digital works calibration
- superior capacitive polymere humidity sensor
- internal temperature sensor: Pt1000 1/3 DIN
- additional socket for external Pt1000 temperature probe
- offset functions for easy adjustment of humidity and temperature measurements within seconds (if ever necessary)
- wide measuring ranges:
0.0 ... 100.0 % (recom. range: 11 ... 90%).
-25...+70 °C / -13...+158 °F (°C / °F selectable)
- automatic switch off function, selectable from 1 to 120 min. or deactivated.
- Measuring interval selectable between 1 to 60 sec. At a interval of 30 sec. for example a theoretical battery life of 2 years is possible, when using the standard 9V battery.

Because of the low power consumption (down to 10 µA) and the integrated min-/max-value memory the GFTH200 is perfectly suitable for long term climate surveillances.

Specification:

Measuring range:

Temp: -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

(same as Pt1000 1/3 DIN)

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

humidty: ±1.5% linearity, ±1.5% hysteresis

(for range 11 to 90%)

Measuring probe:

temperature: Pt 1000

humidity: capacitive polymere humidity sensor

Response time: T₉₀ = 10 sec.

terminal for external probe: for connection of any Pt-1000 probes with 3.5mm mono plug (for suitable probes p.r.t. page 13)

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

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

Nonimal temperature: 25°C



Digital-Hygro-/Thermometer
GFTH 95

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 (recom. 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 (as Pt1000 1/3 DIN)

humidity: ±2% linearity, ±1.5% hysteresis

(for range 30 to 80%)

Response time: T₉₀ = 15 sec.

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

Operating conditions:

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

Sensors: -20...70°C; 0...100% r.F.

Power supply: 9V-battery type IEC 6F22 (in scope of supply)

Power consumption: max. 0.1 mA

Low battery warning, housing, weight:
please refer to GFTH200

Operating conditions:

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

Sensors: -25...70°C; 0...100% r.F.

Power supply: 9V-battery type IEC 6F22

Power consumption:

approx. 9µA at 1 measurings / 60s

approx. 100µA at 1 meas. / sec. (mode FAST)

Low battery warning: „BAT“ displayed automatically in display of low battery condition.

Min./max. value memory: Min and Max measuring values are stored for all 3 ranges.

Hold key: The current measuring will be "frozen" (for all three ranges).

Housing: impact resistant ABS-housing 106 x 67 x 30 mm, plus sensor head protruding at the longer side 35 mm long and 14 mm Ø, ie. overall length 141 mm.

Weight: approx. 135g incl. battery

Accessories:

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

Certificate of calibration WPF4
for ISO9000ff (p.r.t. page 3)

Temperature probes p.r.t. page 88

Komplett-offering p.r.t. page 3
device incl. certificate of calibration and case