

Meas. probes for GMH 3330 and GMH 3350

humidity / temperature



Humidity/temperature:

TFS 0100 E (0,0 ... 100,0 % r.h.)
Humidity/temperature probe, calibrated and exchangeable

Specification :

Meas. ranges:

Humidity: 0,0 ... 100,0 %RH (rec. range of application: 11...90%RH)
Temperature: -40,0 ... +120,0 °C (attention: working temperature of electronics!)

Accuracy: (at nominal temperature = 25°C)

Humidity: ±2,5 %RH
Temperature: ±0,5 °C

Sensors:

Humidity: capacitive polymer humidity sensor
Temperature: Pt1000, 1/3 DIN

Electronics: PC board with amplifier and data memory for sensor data (calibration, etc.) integrated in probe handle.

Working temperature: -25 to +60°C (handle and electronics)
-40 to +120°C (for short time up to +120°C) (sensor head and tube)

Relative humidity: 0 to +100 %RH

Dimensions: Probe tube: Ø14 x 119 mm, plastic handle: Ø19 x 135 mm, approx. 1m PVC conn. cable with 6-pin Mini-DIN-plug

Weight: approx.. 90 g

Accessories: calibration device

Humidity reference cells works on the basis of physiochemical processes. A specific value of relative humidity adjusts itself over a saturated salt solution.

The test chamber is separated from the solution by a diaphragm so that the sensor under test is protected against contamination by the solution. The test container can be used in all mounted positions.



GFN-SET1

Humidity reference cells for ~33 and ~76 %RH, probe adapter and robust carry case

GFN 33

humidity reference cell for ~33 %RH, incl. adapter

GFN 76

humidity reference cell for ~76 %RH, incl. adapter

Surface temperature:

GOF 400VE (p.r.t. page 104)

Quick-response surface probes for walls, floors etc.

GTF 300 (p.r.t. page 105)

Quick-response basic thermocouple probe for logger applications, etc. (with GMH3350)

flow speed



Water:

STS 005 (0,05 ... 5,00 m/sec.)
Flow measuring probe with snap-on head, calibrated and exchangeable.

Specification :

Sensor type: windmill-type anemometer

Meas. range: 0,05 ... 5,0 m/sec.

Accuracy: ±1 % of range ±3% of meas. value (at nominal temperature)

Permiss. angle flow: ±20°, without additional meas. faults

Working temperature : 0 to +70 °C

Relative humidity: 0 to +100 %RH (non-condensing)

Dimensions: Probe head: Ø 11 x 15mm, tube: Ø 15 mm overall length 165 mm, required insertion opening: Ø 16 mm, approx. 5m PVC connection cable with 6-pin Mini-DIN-plug

Weight: approx. 75 g

Air:

STS 020 (0,55 ... 20,00 m/sec.)
Flow measuring probe with snap-on head, calibrated and exchangeable.

Specification :

Sensor type: windmill-type anemometer

Meas. range: 0,55 ... 20,00 m/sec.

Accuracy: ±1 % of range ±3% of meas. value (at nominal temperature)

Permiss. angle flow: ±20°, without additional meas. faults

Working temperature: 0 to +70 °C

Relative humidity: 0 to +100 %RH (non-condensing)

Dimensions: Probe head: Ø 11 x 15mm, tube: Ø 15 mm overall length 165 mm, required insertion opening: Ø 16 mm, approx. 5m PVC connection cable with 6-pin Mini-DIN-plug

Weight: approx. 75 g

Spare parts and accessories:

STE 005

Spare snap-on head for STS 005

STE 020

Spare snap-on head STS 020

GTS Telescopic rod (overall length 1 m)

Please specify when ordering - no retrofit assemblage possible!



picture shows GTS with assembled STS020