

# 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 123)  
Quick-response surface probes for walls, floors etc.

**GTF 300** (p.r.t. page 125)  
Quick-response basic thermocouple probe for universal applications (surface measurement)

## 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