

## MEASURING PROBES HUMIDITY / TEMPERATURE

**TFS 0100 E**

Art. no. 601488

(0.0 ... 100.0 % RH)

Humidity / temperature probe, exchangeable without any loss in accuracy

**General:**

Hand sensor for universal application; cap with integral stainless steel gauze filter for good mechanical protection and despite optimum airflow also for fast measurements in ambient air

**Specifications:****Measuring ranges**

<b>Humidity:</b>	0.0 ... 100.0 % RH (rec. range of application: 11 ... 90 % RH)
<b>Temperature:</b>	-40.0 ... +120.0 °C (attention: working temperature of electronics!)

**Accuracy (at nominal temperature = 25 °C)**

<b>Humidity:</b>	±2.5 % RH (in the range of 10 ... 90 % RH)
<b>Temperature:</b>	±0.5 °C

**Sensors**

<b>Humidity:</b>	capacitive polymer humidity sensor
<b>Temperature:</b>	Pt1000, DIN cl. AA

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

**Working temperature:** handle and electronics: -25 ... +60 °C  
sensor head and tube: -40 ... +100 °C  
(for short time up to +120 °C)

**Relative humidity:** 0 ... +100 % RH

**Dimensions:** Probe tube: Ø 14 x 119 mm,  
plastic handle: Ø 19 x 135 mm, approx. 1.2 m PVC  
connection cable with 6-pin Mini-DIN-plug

**Weight:** approx. 90 g

**Scope of supply:** Sensor, Manual

**Variant:****TFS 0100 E-POR**

Art. no. 603438

Humidity / temperature sensor with plastic paper filter for use in dusty environments and also in powder colors and granulates



## MEASURING PROBES SURFACE TEMPERATURE

**GOF 400VE**

Art. no. 600496

(p.r.t. page 32)

Quick-response surface probes for walls, floors etc.

**GTF 300**

Art. no. 600072

(p.r.t. page 34)

Quick-response basic thermocouple probe for universal applications (surface measurement)

## MEASURING PROBES FLOW SPEED

**STS 005**

Art. no. 602396

(0.05 ... 5.00 m/s)

Flow measuring probe with snap-on head, exchangeable without any loss in accuracy

**Specifications:**

<b>Sensor type:</b>	windmill-type anemometer
<b>Measuring range:</b>	0.05 ... 5.00 m/s (water)
<b>Accuracy:</b>	±1 % of range ±3 % of meas. value (at nominal temperature = 25 °C)
<b>Permiss. angle flow:</b>	±20°, without additional measuring faults
<b>Working temperature:</b>	0 ... +70 °C
<b>Relative humidity:</b>	0 ... +100 % RH (non condensing)
<b>Dimensions:</b>	Probe head: Ø 11 x 15 mm, tube: Ø 15 mm, overall length 165 mm, required insertion opening: Ø 16 mm, approx. 5 m PVC connection cable with 6-pin Mini-DIN-plug
<b>Weight:</b>	approx. 75 g
<b>Scope of supply:</b>	Sensor, manual

**Accessories and spare parts:****STE 005**

Art. no. 602406

Spare snap-on head for STS 005

**STS 005-GTS**

Art. no. 602645

GTS Telescopic rod (overall length 1 m)

## MEASURING PROBES FLOW / AIR

**STS 020**

Art. no. 602397

(0.55 ... 20.00 m/s)

Flow measuring probe with snap-on head, calibrated and exchangeable.

**Specifications:**

<b>Sensor type:</b>	windmill-type anemometer
<b>Measuring range:</b>	0.55 ... 20.00 m/s (air)
<b>Accuracy:</b>	±1 % of range ±3 % of meas. value (at nominal temperature) = 25 °C
<b>Permiss. angle flow:</b>	±20°, without additional measuring faults
<b>Working temperature:</b>	-10 ... +80 °C
<b>Relative humidity:</b>	0 ... +100 % RH (non condensing)
<b>Dimensions:</b>	Probe head: Ø 11 x 15 mm, tube: Ø 15 mm, overall length 165 mm, required insertion opening: Ø 16 mm, approx. 5 m PVC connection cable with 6-pin Mini-DIN-plug
<b>Weight:</b>	approx. 75 g
<b>Scope of supply:</b>	Sensor, manual

**Accessories and spare parts:****STE 020**

Art. no. 602519

Spare snap-on head for STS 020

**STS 020-GTS**

Art. no. 604217

GTS Telescopic rod (overall length 1 m)



picture shows GTS with assembled STS 020