SUITABLE MEASURING PROBES

HUMIDITY / TEMPERATURE





TFS 0100 E

Product-ID: 601488 (0.0 ... 100.0 % RH)

Humidity/temperature probe, exchangeable

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:

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)

 $\begin{array}{ll} \mbox{Humidity:} & \pm 2.5 \ \% \ \mbox{RH} \\ \mbox{Temperature:} & \pm 0.5 \ ^{\circ}\mbox{C} \end{array}$

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 ... +60 °C (handle and electronics)

-40 ... +100 °C (for short time up to +120 °C)

(sensor head and tube)

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 approx. 90 g

Weight: approx. 90 g
Scope of supply: sensor, manual

Variant:

TFS 0100 E-POR

Product-ID: 60678

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



GFN-SET1

Product-ID: 602708

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

General

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.

Accessories and spare parts:

GFN 33

Product-ID: 602715

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

GFN 76

Product-ID: 602717

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

SURFACE TEMPERATURE:

GOF 400VE

Product-ID: 600496

(p.r.t. page 20)

Quick-response surface probes for walls, floors etc.

GTF 300

Product-ID: 600072

(p.r.t. page 22)

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

FLOW SPEED



STS 005

Product-ID: 602396 (0.05 ... 5.00 m/s)

Flow measuring probe with snap-on head, exchangeable

Specifications:

 $\begin{array}{lll} \textbf{Sensor type:} & \text{windmill-type anemometer} \\ \textbf{Measuring range:} & 0.05 \dots 5.00 \text{ m/s (water)} \\ \textbf{Accuracy:} & \pm 1 \% \text{ of range} \pm 3 \% \text{ of meas. value} \\ & (\text{at nominal temperature} = 25 °C) \\ \end{array}$

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

Working temperature: $-10 \dots +80 \, ^{\circ}\text{C}$ Relative humidity: $0 \dots +100 \, ^{\circ}\text{RH}$ (non-condensing)

Dimensions: 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

Weight: approx. 75 g
Scope of supply: sensor, manual

Accessories and spare parts:

STE 005

Product-ID: 602406

Spare snap-on head for STS 005

STS 005-GTS

Product-ID: 602645

GTS Telescopic rod (overall length 1 m)

FLOW / AIR



STS 020

Product-ID: 602397 (0.55 ... 20.00 m/s)

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

Specifications:

Sensor type: windmill-type anemometer

Measuring range: 0.55 ... 20.00 m/s (air)

Accuracy: ±1 % of range ± 3 % of meas. value (at nominal temperature) = 25 °C)

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

Working temperature: -10 ... +80 °C
Relative humidity: 0 ... +100 % F

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

Dimensions: 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

Weight: approx. 75 g
Scope of supply: sensor, manual

Accessories and spare parts:

STE 020

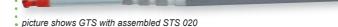
STS 020-GTS

Product-ID: 602519

Spare snap-on head for STS 020







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