SUITABLE MEASURING PROBES

HUMIDITY / TEMPERATURE

FLOW SPEED

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

Variant:	
TFS 0100 E-POR *Product-ID: 606784* 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)

STS 005
Product-ID: 602396
(0.05 ... 5.00 m / s)
Flow measuring probe with snap-on head, exchangeable

Specifications:	
Sensor type:	windmill-type anemometer
Measuring range:	0.05 ... 5.00 m / s (water)
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 % 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 % 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 *Product-ID: 602519* Spare snap-on head for STS 020	
STS 020-GTS *Product-ID: 604217* GTS Telescopic rod (overall length 1 m)	

picture shows GTS with assembled STS 020

Handheld instrument

Display / Controller

Logger / EASYBus

Transmitter

Temperature probe

Simulator

Alarm / Protection, Level