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	
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 (in the range of 10 ... 90 % RH)
Temperature:	±0.5 °C
Sensors	
Humidity:	capacitive polymer humidity sensor
Temperature:	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:	
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:	0 ... +70 °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
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:	
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
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

HANDHELD INSTRUMENT

DISPLAY / CONTROLLER

LOGGER / BUS SYSTEMS

TRANSMITTER

TEMPERATURE PROBE

ALARM / PROTECTION, LEVEL