

SUITABLE PT100 MEASURING SENSORS (4-WIRE)

-200 °C
+600 °C

GTF 601

Item No. 600387

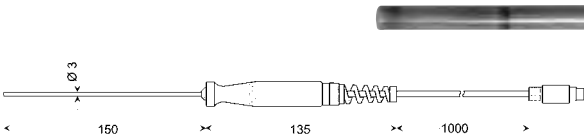
Immersion probe with sheathed element Pt100 -200 .. + 600 °C, DIN class B

-200 °C
+600 °C

GTF 601 DIN class AA

Item No. 600388

Immersion sensor with sheathed element Pt100 -200 .. + 600 °C, DIN class AA (± 0.1 °C at 0 °C)



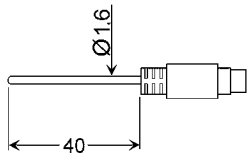
V4A sheathed element, bendable, Ø 3 mm, plastic handle, anti-kink screw connection, approx. 1 m 4-pole PVC cable, 4-pole mini DIN connector
Response time T₉₀: Water 0.4 m/s < 5 s, air 2 m/s approx. 60 s

-25 °C
+70 °C

GLF 401 Mini

Item No. 600395

Ambient air sensor without cable, -25 .. + 70 °C, DIN class A



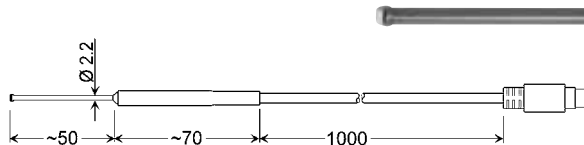
V4A pipe Ø 1.6 mm, FL = approx. 40 mm, 4-pole mini DIN connector
Response time T₉₀: Air 2 m/s approx. 25 s

-50 °C
+200 °C

GOF 401 Mini

Item No. 600396

Surface sensor, ceramic front side -50 .. + 200 °C, DIN class B



Front side Pt100 ceramic plate 2 x 2.3 mm, V4A tube Ø 2.2 mm, approx. 1 m 4-pole PVC cable, 4-pole mini DIN connector
Response time T₉₀: approx. 15 s

CALIBRATED MEASURING SYSTEMS PT 100



GENERAL:

The total measurement errors result, among other things, from the sum of the measurement errors of the device and the probe. In order to keep this as low as possible, we offer you the following calibrated and optimized measuring systems. Due to their excellent system accuracy, these are excellently suited for quality assurance within the scope of ISO9000ff, as reference devices in production, service, and maintenance, etc. The system is optimized by creating a characteristic curve that is determined separately for each temperature sensor and stored in the device (GMH 3750) or by sensor calibration with the aid of zero point and slope (GMH 3710). Due to the low measuring current, there is no self-heating of the sensor; furthermore, the measurement is thermo-voltage compensated.

GMH 3750 / SET1

Item No. 602690

Set including device, GTF401 AA, ISO calibration certificate -20 ... 70 °C and case GKK3500

TECHNICAL SPECIFICATIONS:

Optimized measuring range:	-20 .. + 70 °C
Temperature sensor:	GTF 401 DIN class AA, Pt100, 4-wire
System accuracy:	better than 0.07 °C (in the opt. measuring range)
Calibration points:	-20 °C / 0 °C / +70 °C

GMH 3750 / SET2

Item No. 602691

Set including device, GTF401 AA, ISO calibration certificate 0 ... 250 °C and case GKK3500

TECHNICAL SPECIFICATIONS:

Optimized measuring range:	0 .. + 250 °C
Temperature sensor:	GTF 401 DIN class AA, Pt100, 4-wire
System accuracy:	better than 0.3 °C (in opt. measuring range)
Calibration points:	0 °C / 100 °C / 250 °C

GMH 3710 / SET1

Item No. 602687

Set including device, GTF401 AA, ISO calibration certificate -20 ... 70 °C and case GKK3500

TECHNICAL SPECIFICATIONS:

Optimized measuring range:	-20 .. + 70 °C
Temperature sensor:	GTF 401 DIN class AA, Pt100, 4-wire
System accuracy:	better 0.1 °C (in opt. measuring range)
Calibration points:	-20 °C / 0 °C / +70 °C

GMH 3710 / DKD1

Item No. 602689

Set including device, GTF401 AA, DKD calibration certificate -20 ... 70 °C and case GKK3500

TECHNICAL SPECIFICATIONS:

Optimized measuring range:	-20 .. + 70 °C
Temperature sensor:	GTF 401 DIN class AA, Pt100, 4-wire
System accuracy:	better 0.1 °C (in opt. measuring range)
Calibration points:	-20 °C / 0 °C / +70 °C

SCOPE OF DELIVERY:

Measuring instrument GMH 3750 or GMH 3710, temperature sensor GTF 401 DIN class AA, plastic case GKK 3500 and calibration certificate with 3 calibration points

IMPORTANT NOTE:
 ACCURACY DIN CLASS AA (1/3 DIN) ONLY IN THE RANGE 0 .. + 150 °C. ACCURACY 1/10 DIN ONLY IN THE RANGE 0 .. + 100 °C. IF THE TEMPERATURE SENSOR IS USED IN HIGHER MEASURING RANGES, THE ACCURACY IN THE VALIDITY RANGE CAN NO LONGER BE GUARANTEED; IN EXTREME CASES THE SENSOR MAY EVEN PERMANENTLY LOSE THE ACCURACY CLASS!