CALIBRATED SYSTEMS PT 100

General:

The overall error of a measuring consists of the sum of the instrument error and the probe error. To minimize the overall error, we offer calibrated and optimized systems below. Due to their excellent system accuracy they are especially suitable for quality assurance according to ISO9000ff, as reference instruments in manufacturing processes, laboratory, service and maintenance, etc. The system optimization is done via a special characteristic curve which is determined for each temperature probe separately and stored in the instrument (GMH 3750) or with probe adjusting via offset and slope input (GMH 3710). Because of the low measuring current there is no self heating effect of the sensor and the measurement is thermoelectrically compensated.

GMH 3750 / SET1

Art. no. 602690

Measuring set incl. ISO certificate of calibration

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

GMH 3750 / SET2

Art. no. 602691

Measuring set incl. ISO certificate of calibration

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

GMH 3710 / SET1

Art. no. 602687

Measuring set incl. ISO certificate of calibration

Specifications:	
Optimized measuring range:	-20 ... +70 °C
Temperature probe:	GTF 401 DIN cl. AA, Pt100, 4-wire
System accuracy:	better than 0.1 °C (at opt. range)
Calibration points:	-20 °C / 0 °C / +70 °C

GMH 3710 / DKD1

Art. no. 602689

Measuring set incl. DAkkS calibration certificate DIN 17025

Specifications:	
Optimized measuring range:	-20 ... +70 °C
Temperature probe:	GTF 401 DIN cl. AA, Pt100, 4-wire
System accuracy:	better than 0.1 °C (at opt. range)
Calibration points:	-20 °C / 0 °C / +70 °C

Scope of supply:

Measuring device GMH 3750 or GMH 3710, temperature probe GTF 401 DIN Kl. AA, plastic case GKK 3500 and ISO certificate of calibration with 3 calibration points.

ROOM THERMOMETER

AUTOOFF
ISO
MIN MAX

SCHNELLE MESSUNG DER RAUMTEMPERATUR

COMFORTABLE HANDLING WITH ONLY ONE HAND

GTH 200 air

Art. no. 600251

Precision room thermometer

General:

The exposed but yet protected temperature sensor provides fast and precise measurements of ±0.2 °C (at 20 °C). The device has undergone a streamlining process and is optimized to its key features, ensuring a comfortable and efficient handling with only one hand.

Application:

The room thermometer GTH 200 air is an essential tool for fast and precise temperature measurements in
- calibration rooms
- production / computer rooms
- living space
- laboratories, etc.

Specifications:	
Measuring range:	-25.0 ... +70.0 °C
Resolution:	0.1 °C
Accuracy:	(±1 digit) (at nominal temperature) ±0.5 % of meas. value ±0.1 °C
Sensor:	Pt 1000, DIN class AA
Response time T_{90}:	approx. 5 s
Display:	4½ digit, 11 mm high LCD-display
Nominal temperature:	25 °C
Working temperature:	-20 ... +70 °C
Relative humidity:	0 ... 95 % RH (non condensing)
Storage temperature:	-25 ... +70 °C
Power supply:	9 V battery
Power consumption:	max. 0.1 mA
Battery life:	approx. 6000 operating hours with alkaline battery
Housing:	impact-resistant ABS housing
Dimensions:	approx. 106 x 67 x 30 mm (H x W x D), additionally the sensor head at the front side, 35 mm long, Ø 14 mm, resulting total length 141 mm
Weight:	approx. 135 g incl. battery
Scope of supply:	device, battery, manual