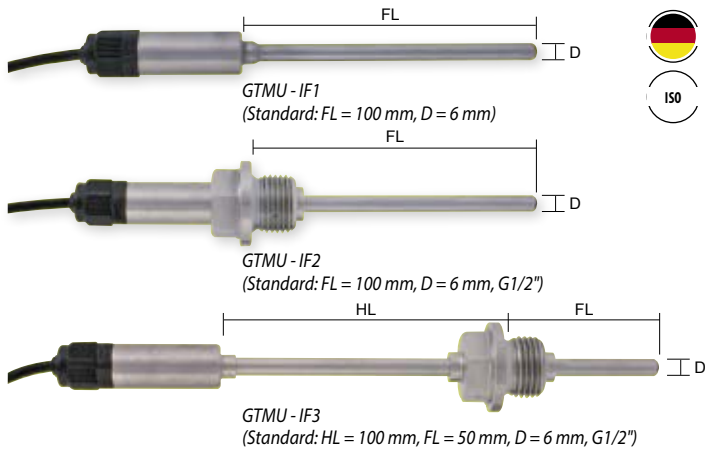


TEMPERATURE TRANSMITTER PT 1000



GTMU-IF1

Art. no. 602688
Temperature transmitter

GTMU-IF2

Art. no. 604409
Temperature transmitter

GTMU-IF3

Art. no. 603774
Temperature transmitter

General:

High precision transmitter with compact design.

Specifications:

Measuring ranges:	The probe length FL has to be chosen long enough, that the allowable temperature range of the electronics situated in the tube sleeve is not exceeded.
GTMU-IF1 (Standard):	-30.0 ... +100.0 °C
GTMU-IF2 (Standard):	-30.0 ... +100.0 °C
GTMU-IF3 (Standard):	-70.0 ... +400.0 °C
	other measuring ranges (max. -200 ... +500 °C) upon request
Measuring probe:	internal Pt1000-sensor, DIN class B
Accuracy: (at nominal temperature = 25 °C)	
Electronic:	±0.2 % of measuring value ±0.2 °C
Measuring probe:	standard: DIN class B optionally higher sensor accuracy available
Output signal:	4 ... 20 mA (2-wire)
Auxiliary energy:	U _v = 10 ... 30 V DC
Permissible burden:	R _s ≤ (U _v - 10 V) / 0.022 A [R _s in Ohm, U _v in V]
Working temperature of electronic (in tube sleeve):	-25 ... +60 °C
Housing:	stainless steel housing
Dimensions:	depending on sensor construction
tube sleeve:	Ø 15 x 35 mm (without screwing)
Electric connection:	approx. 1 m long 4-pin cable (2 x current loop, 2 x interface)

Option:

- FL=...:** longer tube
- HL=...:** longer collar tube
- D=...:** other tube diameter
- G=...:** other thread
- MB=...:** other measuring ranges, set by factory
- M12:** electric connection: M12 plug

ANALOG PT100-TRANSMITTER



T03BU/WE

Analog Pt100-transmitter (transmitter 0 ... 10 V, set by our works)

General:

These transmitter are designed for industrial applications and are used to measure the temperature through Pt100 resistance thermometers in 2-/3-wire circuits connections. The 0 ... 10 V output signal is linear with temperature. The advantages of a continuous analog signal path and those of digital adjustment have been combined in the realization of this transmitter series.

Specifications:

Measurement input:	Pt100 (DIN EN60751)
Measuring ranges:	-200 ... +850 °C
Measuring span:	40 ... 1050 K
Zero shift:	at span <75 K: -40, -20, 0, 20 or 40 °C at span =75 K: ±50 °C at span >75 K: ±(span * 0.2 + 35 °C)
Sensor connection:	2- or 3-wire connection
Measuring current:	<0.5 mA
Max. perm. line resistance (3-wire):	11 Ohm per conductor
Sampling time:	continuous because of analog signal path
Output signal:	0 ... 10 Volt, 3-wire technology
Setting time on a temperature change:	≤10 ms
Transfer characteristic:	linear with temperature
Transfer accuracy:	±0.2 % FS
Calibration accuracy:	≤ ±0.2 °C or ±0.2 % of measuring span
Supply voltage: U_s	15 ... 30 V DC
Supply voltage error:	±0.01 % FS / V
Permissible load R_L:	R _L ≥ 10 kOhm
Load error:	≤ ±0.1 % FS
Operating temperature:	-40 ... +85 °C
Relative humidity:	0 ... 95 % RH (non condensing)
Storage temperature:	-40 ... +100 °C
Electric connection:	via terminals, cross section of connection terminals max. 1.75 mm ²
Housing:	PC-housing, suitable for installation in connection head acc. to DIN 43729 form B.
Operating position:	unrestricted
Dimensions:	Ø 44 mm x 21 mm
Protection rating:	Housing: IP54, connection terminals: IP00
Weight:	approx. 45 g

Accessories and spare parts:

Hutschienenadapter
Art. no. 603659
for snap-on the T03 BU to top-hat rail

T03BU/WE - 1 - 2

Greisinger		
1.	Sensor connection	
	P2	Pt100 (2-wire)
	P3	Pt100 (3-wire)
2.	Measuring range	
	...	-200 ... +850 °C
	MB	Any measuring range desired

HANDHELD INSTRUMENT
DISPLAY / CONTROLLER
LOGGER- / BUS SYSTEMS
TRANSMITTER
TEMPERATURE PROBE
ALARM / PROTECTION, LEVEL