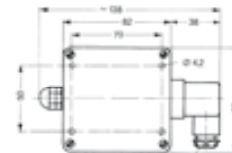
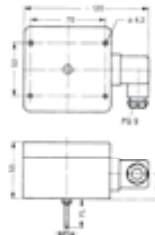
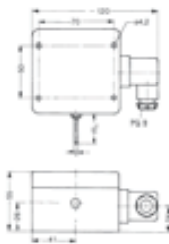
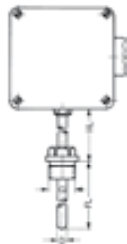
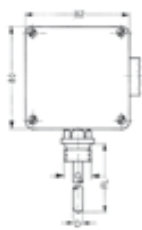


Temperature transducer GTMU complete with Pt100 or NiCr-Ni (type K) sensor



**Design type 1**  
for direct screw connection

**Design type 2**  
for high temperatures

**Design type 3**  
indoor / outdoor probe  
for direct wall mounting

**Design type 4**  
duct probe

**Design type 5**  
for external probes

**Standard type:**  
G = 1/2", FL = 100 mm,  
D = 6 mm

**Standard type:**  
G = 1/2", HL = 50 mm,  
FL = 100 mm, D = 6 mm

**Standard type:**  
FL = 50 mm, D = 3 mm

**Standard type:**  
FL = 100 mm, D = 6 mm

upon request

- GTMU-AP1
- GTMU-AP2
- GTMU-AP3
- GTMU-AP4
- GTMU-AP5

**General:**  
The types 1 - 4 are supplied complete with sensor, measuring transducer etc., calibrated and thus ready for use. Type 5 does not include sensor which is either already existing at your works or will have to be ordered separately according to your specifications.

<b>Specifications:</b>	
<b>Practical sensor elements:</b>	
<b>Resistance thermometer:</b>	Pt100 class B, potential-free
<b>Thermocouple:</b>	NiCr-Ni class 1, not potential-free
<b>Max. measuring ranges: (not available for every design type)</b>	
<b>Pt100:</b>	-200 ... +800 °C
<b>NiCr-Ni:</b>	-200 ... +1150 °C
<b>Standard measurings ranges:</b>	
<b>Pt100:</b>	0 ... 100 °C, 0 ... 200 °C, -50 ... +50 °C, -50 ... +150 °C
<b>NiCr-Ni:</b>	0 ... 100 °C, -50 ... +150 °C, -200 ... +300 °C, 0 ... 600 °C, 0 ... 1150 °C
<b>Accuracy electronics:</b>	±0.2 % FS (Pt100) or ±0.2 % ±0.5 °C (NiCr-Ni)
<b>Output signal:</b>	
<b>Standard:</b>	4 ... 20 mA (2-wire)
<b>Auxiliary energy:::</b>	U <sub>v</sub> = 12 ... 30 V DC (at 0-10 V: U <sub>v</sub> = 18 ... 30 V DC); (for special types GTMU/GITT and GTMU/RT420: 8 ... 30 V)
<b>Reverse voltage protection:</b>	50 V permanently
<b>Allowable burden (for 4 ... 20 mA):</b>	R <sub>s</sub> [Ω] ≤ (U <sub>v</sub> [V] - 12V) / 0.02 A (for special types GITT and RT420 refer to this pages)
<b>Allowable load (for 0-__ Volt):</b>	RL > 3000 Ω
<b>Ambient temperature electronics:</b>	0 ... +70 °C (-40 ... +85 °C at .../RT420 and .../GITT)
<b>Temperature coefficient:</b>	
<b>Pt100:</b>	0.01 % / °C
<b>NiCr-Ni:</b>	0.05 % / °C
<b>Storage temperature:</b>	-20 ... +70 °C
<b>Housing:</b>	ABS (IP65)
<b>Probe tube:</b>	stainless steel
<b>Mounting:</b>	with holes for wall mounting
<b>Electric connection:</b>	elbow plug acc. to EN 175301-803/A (IP65)
<b>Scope of supply:</b>	Device, manual

GTMU - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12

<b>Greisinger</b>	
1.	Design type
	AP1 Channel /duct design with thread

AP2	For higher temperatures, with process connection and neck tube
AP3	Indoor / outdoor temperature sensor
AP4	Duct sensor
AP5	For external sensor connection
SHUT	Heat protective hat
2. Sensor element	
-P	Resistance thermometer Pt100
-K	NiCr-Ni Type K
3. Measuring range (MB)	
-MB1	0..100°C
-MB2	-50..+150°C
-MB3	0..+200°C
-MB4	-50..+50°C
	others on request
4. Signal output	
-A1	4-20 mA
-V1	0-1 V
-V3	0-2 V
-V4	0-5 V
-V2	0-10 V
5. Fitting length EL	
-100	100 mm
	others on request
6. Probe diameter D	
-3	3 mm
-4	4 mm
-5	5 mm
-6	6 mm
-8	8 mm
7. Process connection	
-G1	G 1/2
-G2	G 1/4
-G3	G 3/4
-G5	G 3/8
8. Length of neck tube	
-050	50 mm, Standard A2
	each further 100 mm
9. Option	
-00	Without option
-VO	On site display
10. Option	
-LACK	Encapsulated PC Board
11. Option	
-GITT	Electrically isolated transducer
-RT420	Transmitter designed for outdoor phrases
12. Option	
-POT	Electrically insulated NiCr-Ni-probe

Handheld instrument  
Display / Controller  
Logger- / Bus systems  
Transmitter  
Temperature probe  
Simulators  
Alarm / Protection, Level