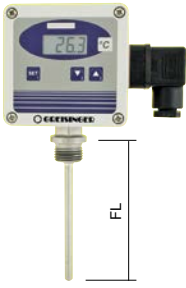
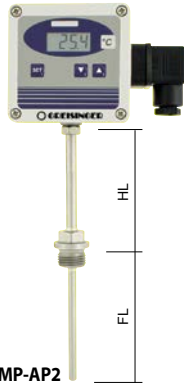


FREELY SCALEABLE TEMPERATURE TRANSDUCER PT1000



**GTMU-MP-AP1**  
for direct screw connection  
**Standard type:**  
G = ½", FL = 100 mm, D = 6 mm



**GTMU-MP-AP2**  
for high temperatures  
**Standard type:**  
G = ½", HL = 100 mm,  
FL = 100 mm, D = 6 mm



**GTMU-MP-AP3**  
indoor / outdoor probe  
for direct wall mounting  
**Standard type:**  
FL = 50 mm, D = 3 mm



**GTMU-MP-AP4**  
duct probe  
**Standard type:**  
FL = 100 mm, D = 6 mm



**GTMU-MP-SHUT**  
with heat-protective shield



**GTMU-MP-AP1**  
Art. no. 607145

**GTMU-MP-AP2**  
Art. no. 602820

**GTMU-MP-AP3**  
Art. no. 602214

**GTMU-MP-AP4**  
Art. no. 606675

**GTMU-MP-SHUT**  
Art. no. 605012

General:	
Temperature transducer (measuring range of -50 ... +400 °C) for:	
• nearly all kinds of applications	• output signal freely scalable
• on site temperature display	• user-adjustment possible
Specifications:	
<b>Measuring range:</b>	-50.0 ... +400.0 °C, free scaleable ( <i>The probe length FL has to be chosen long enough, that the allowable temperature of the case and the electronics of 70 °C is not exceeded!</i> )
<b>Accuracy: (bei 25 °C)</b>	
<b>Temperature display:</b>	±0.4 % of measuring value ±0.2 °C
<b>Output signal:</b>	±0.2 % FS (compared to display)
<b>Probe:</b>	Pt1000, 2-wire, DIN class B
<b>Output signal:</b>	4 ... 20 mA (2-wire), freely scaleable
<b>Auxiliary energy:</b>	12 ... 30 VDC or 18 ... 30 VDC (for output: 0- ... V)
<b>Reverse voltage protection:</b>	50V, permanently
<b>Permissible impedance (at 4 ... 20 mA):</b>	$R_A [\Omega] \leq (U_V [V] - 12V) / 0.02 A$
<b>Permissible load (at 0 ... 1(10)V):</b>	$R_L [\Omega] > 3000 \Omega$
<b>Display:</b>	approx. 10 mm high, 4-digit LCD-display
<b>Working temperature:</b>	-25 ... +70 °C (electronic)
<b>Storage temperature:</b>	-25 ... +70 °C
<b>Relative humidity (electronic):</b>	0 ... 95 % RH (non-condensing); If there is a risk of condensation due to temperature changes, please use our encapsulated or lacquered types (option).
<b>Type SHUT:</b>	Heat protective shield / weather protective shield; <b>Application:</b> for highly precise outdoor measurements, strong solar radiation and rain without measurement falsification; <b>Design:</b> Weather protective shield made of plastic, Ø 110 mm, heights approx. 140 mm. Wall mounting panel made of stainless steel with 3 mounting holes for screws with maximal shaft diameter 5 mm. Largest overhang 160 mm.
<b>Housing:</b>	ABS (IP65)
<b>Probe tube:</b>	stainless steel
<b>Electric connection:</b>	elbow-type plug acc. to EN 175301-803/A (IP65)
<b>Mounting:</b>	4 housing holes for wall mounting or by means of plastic tube clamps for duct mounting
<b>Functions:</b>	min-/max-value memory, offset and slope digital adjustable, output signal freely scalable (without tools)
<b>Scope of supply:</b>	Device, manual

Accessories and spare parts:

**VAW**  
Art. no. 610765  
Mounting clip for VA-angle at „SHUT“



GTMU-MP - [1] - [2] - [3] - [4] - [5] - [6] - [7]

Greisinger	
1.	Version
	AP1 With process connection for direct installation
	AP2 For higher temperatures, with process connection and extension tube
	AP3 Indoor/outdoor temperature sensor for direct wall mounting
	AP4 Channel sensor with probe tube outlet centrally and vertically downward
	SHUT Radiation cap / weather protection incl. „LACK“
2.	Output signal
	AA1 Analogue output 4 ... 20 mA
	AV1 Analogue output 0 ... 10 V
	AV01 Analogue output 0 ... 1 V
3.	Fitting length EL
	050 50 mm, Standard A3
	100 100 mm, Standard A1, A2, A4 (surcharge per 100 mm started after 100 mm)
	150 150 mm
	200 200 mm
	weitere auf Anfrage
4.	Probe diameter D
	D03 Ø3 mm, Standard A3
	D04 Ø4 mm
	D05 Ø5 mm
	D06 Ø6 mm, Standard A1, A2, A4
	D08 Ø8 mm
5.	Process connection
	G1 G ½
	G2 G ¼
	G3 G ¾
	G4 G ¾ A
	M5 M5
	M6 M6
	M8 M8
	M10 M10
	M12 M12
	N1 NPT ½"
6.	Extension tube length
	070 70 mm
	100 100 mm, Surcharge per 100 mm started after 100 mm
7.	Options
	000 Without option
	LACK Coated PC Board

further upon request