

HEAD-MOUNTED SMART TEMPERATURE TRANSMITTER TYPE GI-22



- ✓ Galvanic insulation (In, out)
- ✓ Programmable sensor type
- ✓ Programmable measuring range
- ✓ Resistant thermoresistance line compensation (3wireline)
- ✓ Compensation of thermocouple cold junction
- ✓ Output signal 4...20mA
- ✓ Ambient temperature from -25 to +80 °C
- ✓ Head mounting system.

Application and function

The temperature transmitter GI-22 is applicable to converting resistance of temperature or voltage of thermocouple sensor to standard current signal 4...20mA.

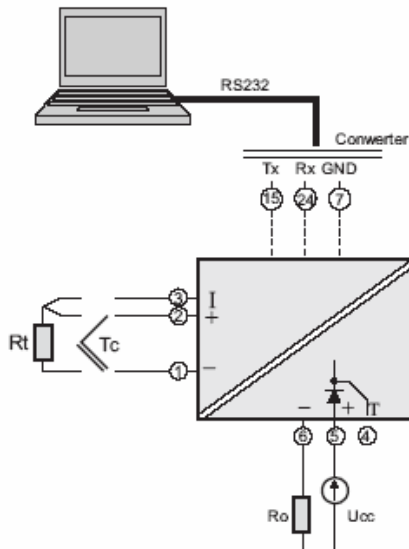
Most of parameters such as: sensor type, input signal, measuring range may be adapted by user for specific requirements of his measuring system.

The transmitter is programmed using PC with RS converter and Aplisen AT configuration software.

If user define type of sensor, measuring range in the order, then the transmitter are programmed with required parameters and their value are printed on serial number label.

Transmitter for head mounting.

Electrical diagrams



Technical data

Input signal	K, J,S,B,N,T voltage
Limit process	Pt100, Ni100 resistance
Min. measuring range	-10mV < E < 90mV
Output signal	20Ω < R < 380Ω
Power supply	2mV or 10Ω
Load resistance	4 – 20mA
Alarm signal	10...36V DC
Load current	$R_0[k\Omega] < (U_z - 11V) / 25mA$
Galvanic insulation	23mA or 3,8 mA
Accuracy	< 75mA
Thermal error	Optoelectrical
Voltage error	± 0,2%
Ambient temperature	± 0,1 %/10°C
	± 0,1%
	-25...+80°C

Special version:

- U- input only for thermocouple
- R- input only for thermoresistance

Ordering procedure

