HEADING-MOUNTED TEMPERATURE TRANSMITTER TYPE AT

- Galvanic insulation (In, out)
- Programmable sensor type PT100 or Ni100
- Programmable measuring range.
- Resistant thermoresistance line compensation (3 wire line)
- Output signal 4…20mA
- Head mounting system.

Application and function

The temperature economical transmitter AT is applicable to converting resistance of temperature 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 Aplisens AT configuration software.

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

Transmitter for head mounting.

Technical data

- Input signal: Pt100, Ni100
- Limit process: 20Ω < R < 380Ω
- Min. measuring range: 10 Ω
- Output signal: 4 – 20 mA
- Power supply: 10…36V DC
- Load resistance: R_d[kΩ]<(U_z – 7V)/25mA
- Alarm signal: 23mA or 3,8mA
- Accuracy for ΔR>20Ω ± 0.2%
- Thermal error: ± 0,1% / 10°C
- Ambient temperature: -25…+80°C
- Error due to supply voltage changes: ±0.1%

Ordering procedure.

AT / ___/___ + ___ °C/___

Sensor type: Pt100, Ni100
Measuring range: 0…100°C
Alarm signal: 23mA

Example: temperature transmitter AT, sensor type Pt100, measuring range 0…100°C, alarm signal 23mA.

AT/Pt100/ 0…100°C/23mA