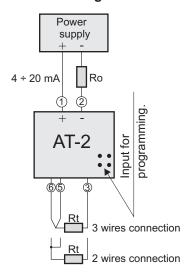


Head-mounted temperature transmitter type AT-2



- 12 43
 - 33 ••• 1 2 ••• 5 3 ••• 3
 - **Electrical diagrams**



- ✓ Programmable sensor type PT100 i Ni100
- ✓ Programmable measuring range.
- √ Thermoresistance line compensation (3 wires line)
- ✓ Output signal 4...20mA
- ✓ Head- mounting system.

Application and function

The temperature economical transmitter AT-2 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.

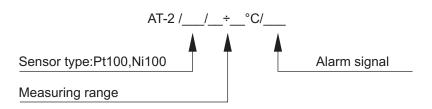
Transmitter for head mounting.

Technical data

Input signal Limit process Min. measuring range Output signal Power supply Load resistance Alarm signal Accuracy for $\Delta R > 20\Omega$ Thermal error Ambient temperature Error due to supply voltage changes

Pt 100, Ni 100 $20\,\Omega < R < 380\,\Omega \\ 25\,C^\circ \\ 4 - 20 \text{ mA} \\ 7,5...36\text{V DC} \\ R_0[k\Omega] < (U_z - 7,5\text{V})/22\text{mA} \\ 22\text{mA or } 3,6\text{mA} \\ \pm 0,1\% \\ \pm 0,1\% / 10^\circ\text{C} \\ -40...+85^\circ\text{C} \\ \pm 0,01\%/\text{V}$

Ordering procedure.



Example: temperature transmitter AT-2, sensor type Pt100, measuring range 0...100°C, alarm signal 22mA.

AT-2/Pt100/ 0...100°C/22mA