UNIVERSAL TRANSMITTER

- *Input – Pt100 (Pt1000, Pt46, Cu53) RTD probe with linearization – 2- or 3-wire connection, current 0(4)÷20 mADC, 0÷5 mADC, voltage 0÷1(10) VDC or potentiometer*
- *Complete inner linearization for platinum sensors*
- *Input/output/supply galvanic isolation*
- *Output – current 4(0)÷20 mADC or voltage 0÷10 VDC, linear with the measured temperature*
- *Power supply - 15÷30 VDC or 90÷250 VDC*
- *35mm DIN-rail mountable (IP30)*



GENERAL DESCRIPTION

The PISO series transmitters offer a cost-effective solution for multipoint measurement of temperature and other technological quantities and are completely suitable for heating, air-conditioning and refrigeration systems and in solar energy, process-control, automation and energy-management applications. The input signal is proportionally converted to a galvanic isolated output voltage or current (active or passive), suitable for further processing.

The connection of the RTD (2- or 3-lead) is user configurable by means of a jumper connection at the input terminal of the transmitter. The 3-wire connection ensures nearly full compensation of connecting wire resistance and permits a long distance between the sensor and transmitter.

The plastic housing of the transmitter is for DIN-rail mounting, protection class IP30.

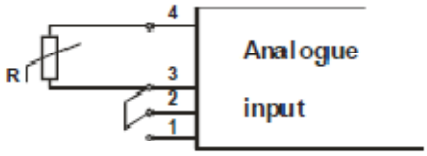
Range, output signal (current or voltage) and power supply should be specified on order.

Distribuitor : **SC ARMAX SRL PASCANI**
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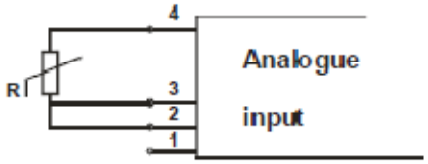
TECHNICAL DATA

Input	- Platinum RTD Pt100 (Pt1000, Pt46, Cu53, etc.) sensor – 2- or 3-wire connection Current through the sensor – up to 1.5 mA - current – 4÷20 mADC, 0÷20 mA or 0÷5 mADC - voltage – 0÷1 VDC or 0÷10 VDC - potentiometer
Measuring Range	On request
Galvanic isolation	Input/output/supply > 1500 VRMS
Output Signal (galvanic isolated)	4(0)÷20 mADC or 0÷5 mADC – 2-wire connection (active or passive), R load up to 500 Ω 0÷10 VDC
Accuracy	< 0.5 % F.S.
Non-linearity	< 0.1 % F.S.
Ambient Temperature	0°C . . . 23°C . . .50°C
Power Supply	15÷32 VDC, < 0.1 A 90÷250 V AC/DC, < 1 VA
Dimensions	24 x 76 x 110 mm, IP30
Mounting	35mm DIN-rail

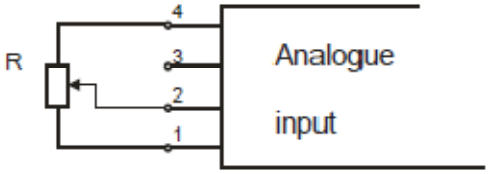
CONNECTION DIAGRAM



2-wire connection



3-wire connection



Potentiometer

To be specified on order:

- input signal type
- measuring range
- output signal type - current (active or passive) or voltage
- supply voltage

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