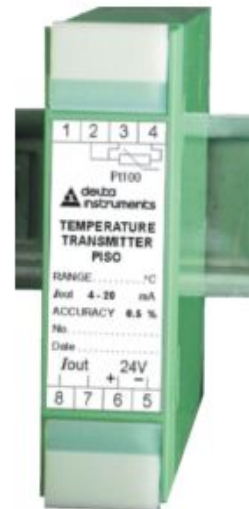


## TRANSMITTER PISO series (input – RTD, current, voltage or potentiometer)

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

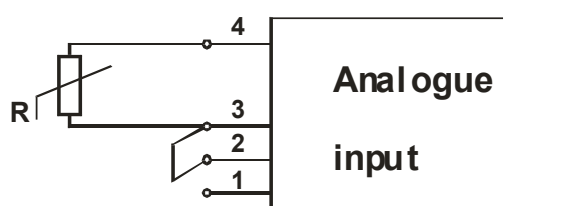
The plastic housing of the transmitter is for DIN-rail mounting, protection class IP30.

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

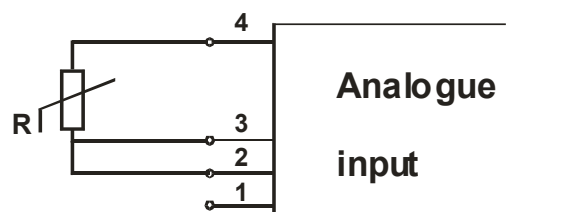
## TECHNICAL DATA

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	22.5 x 75 x 105 mm, IP30
Mounting	35mm DIN-rail

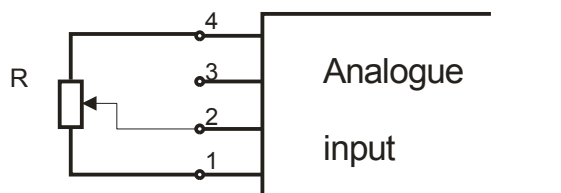
## CONNECTION DIAGRAM



**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