



## Programmable temperature transmitter for Pt and Ni Sensors, 4 - 20mA

### Application

The AS2001 is a digital programmable temperature transmitter for resistance sensors with 4 - 20mA current output for installation on 35 mm mounting rails. The sensor type, measuring range and switching mode can be determined using a PC and programming cable. Smaller corrections can be carried out using a zero point controller. It can be operated in a 2, 3 or 4-wire circuit.

### Technical specifications:

#### Type:

Input:

Measuring range:

Measuring current:

Zero point:

Range:

Linearity error:

Power supply:

Measuring rate:

Max. current consumption:

Permitted residual ripple:

Resolution:

Linearization error:

Output:

Probe break:

Probe short-circuit:

Reaction time:

TK:

Operating temperature range:

Connection:

Dimensions:

EMV

#### AS2001

Pt100, Pt1000, Ni1000 TK5000, Ni1000 TK6180 (programmable)

Connection type: 2-, 3- und 4-wire circuit (programmable)

Pt100: -200°C to 850°C (programmable)

Pt1000: -200°C to 300°C (programmable)

Ni1000: -60°C to 250°C (programmable)

0,25mA

-200°C - 500°C

50 - 850°C

0.2% from measuring range

15 - 35VDC, reverse voltage protection

1/s

max. 10mA

<10%

14 Bit

< 0.1K

4 - 20mA

>20mA

<4mA

<0,1s

<100ppm/°C

-25°C-70°C

Supply voltage Pol 8 (+) ; Pol 7 (-)

75x25x53mm (L x B x H)

Emission: EN 61000-6-3:2001

Interference immunity: EN 61000-6-2:2001

