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ANALOGUE SIGNALS PROCESSORS

S102 - Ohm / V - I CONVERTER

Converter for signals in ohm. The instrument converts a resistance signal into a signal in Volt or mA.

Used to convert the position signal detected by means of a potentiometer.

Selection of input signal from 3 different scale ends - 300, 500 or 1000 ohm - via dip switches on the front panel.

Via the dip switches on the front panel it is possible to select current output 0 - 20 mA and 4 - 20 mA (with both active and passive connection) or voltage output 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc.

The front panel features the LED for signaling power on.

The self-extinguishing Noryl case is the width of 3 DIN modules and is designed to fit on a 35 mm mounting rail (DIN 46277).

TECHNICAL DATA

- Power supply : 115 / 230 Vac +/- 10% 50 / 60 Hz
- Power consumption : 1,5 VA
- Input : selectable via DIP-switch between 300, 500 and 1000 ohm (other ranges on request)
- Exciting current : 1,8, 3,6 and 6 mA depending on the range selected
- Current output : selectable via DIP-switches between 0-20 and 4-20 mA
- Voltage output : selectable via DIP-switches between 0-5, 1-5, 0-10 e 2-10 Vdc
- Output impedance:
  - 0 - 800 ohm current loop impedance
  - load for voltage output > 1 Kohm
- Zero adjustment : +/- 10% of the range
- Span adjustment : +/- 10% of the range
- Precision : 0,2%
- Stability : +/- 0,01% / °C
- Linearity : +/- 0,1%
- Calibration : +/- 0,1%
- Sensibility to interferences : < 1% typical • Response time: 0,2 s
- Burn-out : positive, output > 20 mA
- Operating temp. : - 10 / + 60 °C
- Humidity : 90 % a 40 °C (non-condensing) • Dimensions (b x h x d) : 52,5 x 95 x 72 mm
- Weight : approx. 300 g.

  Isolation: 3.500 Vac power supply // signal circuits

ORDERING CODES

Code	Power supply
S102-1-ST	115 - 230 Vac

Z102	24 Vdc-ac

For more info please refer to the operating manual

Characteristics can be subject to change without notice