

ANALOGUE SIGNALS PROCESSORS

S170 - SIGNALS SPLITTER with galvanic separation

Module for conversion of measuring signals with galvanic separation, with two outputs galvanically insulated both from the input and from each other.

Insulation voltage between input and outputs and between output and 2500 Vac output via two linear optoisolators for separation of the signals.

Widely used for conversion of measuring signals when the same signal, sometimes with different standards, has to be transmitted to two different instruments, keeping the circuits galvanically separate to prevent interferences, or when the load on the current loop is higher than the maximum drivable load.

- **INPUT:** a series of dip switches on the front panel permits selection of the 0 - 20 mA and 4 - 20 mA current inputs (with both active and passive connection) or the 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10Vdc and 2 - 10 Vdc voltage inputs.
- **OUTPUTS:** a series of dip switches on the front panel permits selection, independently for the two channels, of the 0 - 20 mA and 4 - 20 mA current output (with both active and passive connection) or the 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc voltage output.



The self-extinguishing Noryl case is the width of 4 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
- Galvanic isolation: power supply // signal circuits 3.500 Vac; input // output 1.500 Vac
- Current input : selectable via DIP-switches between 0-20 and 4-20 mA (with both active and passive connection)
- Voltage input : selectable via DIP-switches between 0-5, 1-5, 0-10 and 2-10 Vdc ● Input impedance :
 - 100 ohm for current input
 - 1 Mohm for voltage input
- Current outputs : selectable via DIP-switches between 0-20 and 4-20 mA
- Voltage outputs : selectable via DIP-switches between 0-5, 1-5, 0-10 e 2-10 Vdc
- Outputs impedances:
 - 0 - 800 ohm current loop impedance
 - load for voltage output > 1 Kohm
- Stability : +/- 0,01% / °C
- Linearity : +/- 0,25%
- Operating temp. : - 10 / + 60 °C
- Humidity : 90 % a 40 °C (non-condensing)
- Dimensions (b x h x d) : 70 x 95 x 72 mm

ORDERING CODES

Code	Power supply
S170-1-ST	115 - 230 Vac
Z170	24 Vdc-ac

For more info please refer to the operating manual

Characteristics can be subject to change without notice