

## Electric signal separator SEP1 type

### Application

Analog signal separator is a measuring converter allowing matching constant voltage and constant current signals from various measurement converters types to required standards, providing simultaneously galvanic circuits separation.

### Description

Unit converts input 0-20mA, 4-20mA, 0-10V and other signals into separated output 4-20mA, 0-20mA, 0-10V signals. Terminal input strip has two control terminals, allowing input current measurements without disconnecting measuring circuit.

Separator is designed for installation in additional external casing (cabinet, box) in conditions specified in technical specification.

Separator is powered with 24V DC. Casing is made of ABS, installed on DIN rail (TS35) terminal strip. Maximum conductor intersection – 2.5mm<sup>2</sup>.

### Performances

#### METROLOGICAL

##### Input:

0-20mA, 4-20mA, 0-10VDC, and other

##### Output:

0-20mA, 4-20mA, 0-10VDC, and other

##### Load resistance:

<400Ω for current output

>2kΩ for voltage output

Basic error : 0.25%

#### ELECTRICAL

Power supply: 24VDC ±10%,

Power consumption: <40mA

Separation resistance: 500V rms

#### ENVIRONMENTAL

Ambient temperature range: -25°C to +60°C

Relative humidity: 90% no condensation



#### MECHANICAL

Weight: 100g

Casing material: ABS

Overall dimensions (W x H x D):

22.5 x 75 x 125 mm

Protection: IP40

#### Ordering information

A B  
SEP1 - □□ - □□

Options specification

A □□ **Input signal standard**

0 1 4-20mA

0 2 0-20mA

0 3 0-10V

0 4 other according to specification

B □□ **Output signal standard**

0 1 4-20mA

0 2 0-20mA

0 3 0-10V

0 4 other according to specification

