- 1-channel signal conditioner
- 24 V DC supply
- Input bipolar millivolt sources
- Output bipolar current and voltage sources
- Accuracy 0.1 %
- · Configurable via DIP switches and potentiometer

Function

This signal conditioner provides the galvanic isolation between field circuits and control circuits.

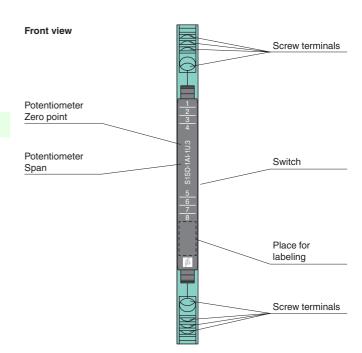
The device has an input for bipolar millivolt sources.

At the output the signals are available as bipolar current and voltage sources.

The device is easily configured by the use of DIP switches and potentiometers.

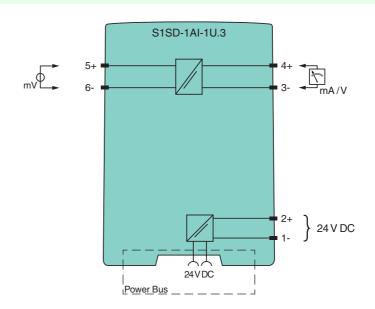
The device can be powered via terminals or Power Bus.

Assembly





Connection



Analog input

0.6 W

0.8 W

 \leq 25 Ω

16.8 ... 31.2 V DC

terminals 5+, 6-

linearity range:

unipolar -1 ... 110 %

 U_n

Power Bus or terminals 1-, 2+

 ± 60 mV, ± 100 mV, ± 150 mV, ± 250 mV, ± 300 mV, ± 500 mV

General specifications

Signal type

Rated voltage

Power consumption

Power loss

Input signal

Input resistance

Transmission range

Input Connection

SupplyConnection

Configuration

Switch settings

Input	S 1						Output	Output S2					
	1	2	3	4	5	6		1	2	3	4	5	6
± 60 mV	ON		ON				± 10 V	ON	ON		ON		
0 mV 60 mV			ON				0 V 10 V	ON	ON				
± 100 mV	ON		ON	ON			2 V 10 V	ON	ON			ON	
0 mV 100 mV			ON	ON			± 5 V	ON	ON	ON	ON		
± 150 mV	ON	ON					0 V 5 V	ON	ON	ON			
0 mV 150 mV		ON					1 V 5 V	ON	ON	ON		ON	
± 250 mV	ON	ON		ON			± 20 mA				ON		
0 mV 250 mV		ON		ON			0 mA 20 mA						
± 300 mV	ON						4 mA 20 mA					ON	
0 mV 300 mV							± 10 mA			ON	ON		
± 500 mV	ON			ON			0 mA 10 mA			ON			
0 mV 500 mV				ON			2 mA 10 mA			ON		ON	
Zero potentiometer active				ON		Filter 8 kHz							
Span potentiometer active					ON	Filter 100 Hz						ON	

Factory settings: all switches in position OFF