

Supply Isolation Amplifier

AD-STV 400 GS

Description

The supply separation amplifier AD-STV 400 GS serves the galvanic separation and amplification of transmitter signals (4...20 mA). The 2- or 3-wire transmitter is supplied directly through a galvanically separated and limited supply voltage. Input, outputs and the supply voltage are galvanically separated from each other. Additionally, a voltage output is available for the current output. The output signal can be adapted via 2 trimmers to the required measuring range in very broad areas. The output signal is visualised via an integral bar indicator.

Application

Supply and measuring value recording of 2- or 3-wire transmitters, such as print transmitter, temperature transmitter and similar, with simultaneous amplification and galvanic separation. Additional second output and integral display.

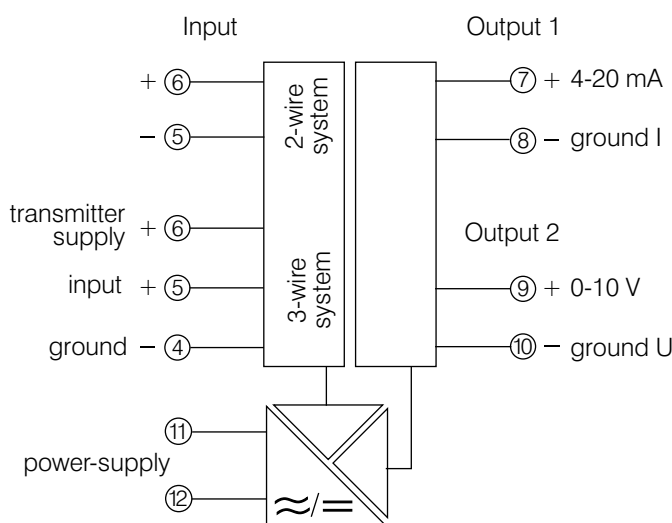


Specification

Construction type:	1-channel switchboard housing for DIN rail (EN 50022)
Power supply:	230V AC +/- 10%, 50-60Hz electronic power rack integrated alternative: 20-30V DC (*) others on request
Power consumption:	ca. 5 VA resp. 3 W
Input:	2-wire or 3-wire transmitter (4-20mA)
Transmitter supply:	20 V DC (internal limited to max.40mA)
Output:	0...20mA; 4...20mA; 0...10V
Output-load:	current: max 500 Ohm voltage: min. 10 kOhm
Setting range:	zero-point: 0...8 mA end value: 12...20 mA
Linearity:	< 0,4 %
Effect of temperature:	< 150 ppm/K
Insulation voltage:	input/output: 2 kV RMS signal/power supply: 4 kV RMS AC 2 kV RMS DC
Protective systems:	input/output: against over-voltage, over-current, confusing the poles power-rack: against over-voltage, over-current, over-temperature
Ambient temperature:	0 - 50°C

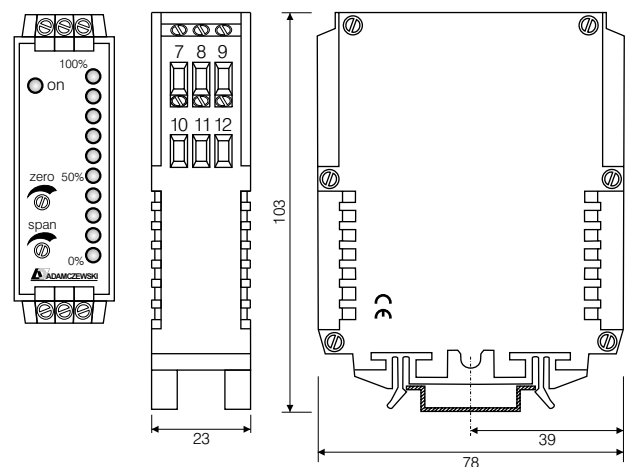
(*) - Values must be advised by order

Connections and dimensions: AD-STV 400 GS



weight: ca. 200 g
protection: IP 20
manner of fastening:
DIN rail 35mm (EN50022)

connection data:
fine-wire: 2,5 mm²
single-wire: 4,0 mm²
max. voltage: 250 V~



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