

# Supply Isolation Amplifier AD-STV 22 GL

## Description

The supply isolation Amplifier AD-STV 22 GL serves the galvanic separation and the amplification of transmitter signals (4...20mA). During this the 2- or 3-wire transmitter is supplied directly with a galvanically separated and limited supply voltage.

Input, output and the supply voltage are galvanically separated from each other. The output signal is independent from the connected load up to a maximum value. The electronic powerpack prevents heat development. In combination with the narrow type of construction a high packing density can be achieved.

## Application

Supply and measuring value recording of 2- or 3-wire transmitters, such as pressure transmitters, temperature transmitters and

others with simultaneous amplification and galvanic separation. Can also be used as purely a load amplifier.

## Specification

Construction type:	1-channel switchboard housing
Power supply	wide range power supply 20-253 VDC and 50-253 VAC
Power consumption:	approx. 3VA resp. 1,6W
Input:	2- or 3-wire transmitter (4...20mA) or 0/4...20mA
Transmitter supply:	no-load voltage: 24V with 20mA: 17V internal limited max. 30mA
Output:	0/4...20 mA input:output 1:1
Output-load:	max. 400 Ohm
Linearity:	< 0,3%
Effect of temperature:	< 0,1‰/K
Insulation test voltage:	input/output 3,75 kV RMS signal/power supply 4 kV RMS
Protective systems:	input/output against over-voltage, confusing the poles, over-current power rack: against over-voltage, over-current, over-temperature
EMC	
Product family standard	EN 61326
Emitted interference	EN 55011, CISPR11 Cl. B
Electrical safety requirements	
Product family standard	EN 61010-1
Ambient temperature:	0...+50°C

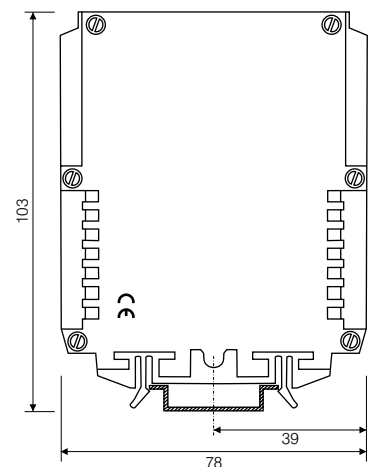
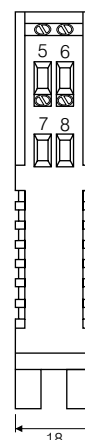
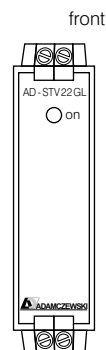
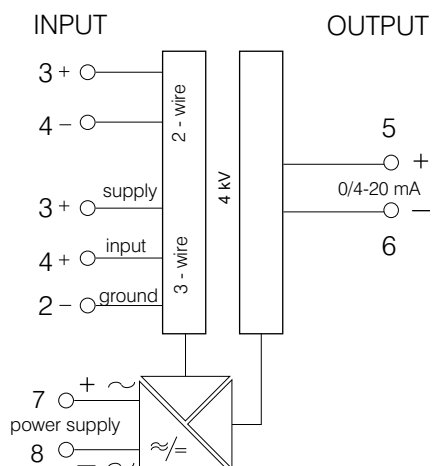


## Connections and dimensions: AD-STV 22 GL

Input: 2- or 3-wire-transmitter

Connection data:  
fine wire 2,5 mm<sup>2</sup>  
single wire 4,0 mm<sup>2</sup>  
max. voltage: 250 V AC

Manner of fastening:  
attachment rail: NS 35 / 7,5  
protection: IP 20  
weight: ca. 140 g



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**ADAMCZEWSKI**  
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13  
Tel. +49 (0)7046-875  
vertrieb@ad-messtechnik.de

74374 Zaberfeld  
Fax +49 (0)7046-7678  
www.adamczewski.com