

# Isolation Amplifier with nominal value selector

AD-TV 32 GL

## Description

The VARIO-separation amplifier AD-TV 32 GL serves the galvanic separation, conversion and amplification of DC current and voltage signals (0/4-20 mA and 0/2-10 V DC). The signal dimensions are adjustable at the front. The starting and end values can here be adjusted independent of each other.

Input, output and the supply voltage are separate from each other with high insulation. An integral electronic wide range power pack (ALLPOWER) with a high degree of effectiveness allows operation in a supply range of 20-253 V AC or DC.

Additionally, a nominal value can be specified via switch at the front at the output. The input measuring signal is decoupled and without influence during this. The nominal value at the output, which can be activated and adjusted via a potentiometer at the front.



## Application

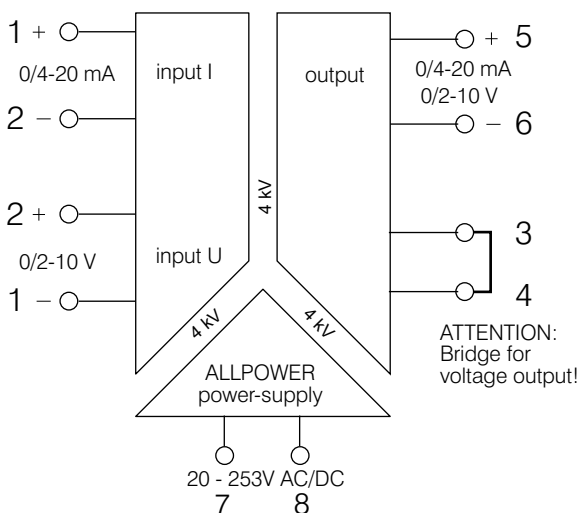
Conversion, burden amplification and galvanic decoupling of active DC-current and voltage signals with additional manual / automatic operation via a nominal value specification, which can be activated.

## Specification

construction	1-channel switchboard housing
power-supply	ALLPOWER 20-253 V AC/DC
	internal galvanical separate
power-consumption	approx. 2,3 VA resp. 1,0 W
input	0-20mA; 4-20mA or 0-10V up to 2-10V
input impedance	approx. 85 Ohm (current) approx. 100 kOhm (voltage)
output	0-20 mA; 4-20mA or 0-10V up to 2-10V
output load	< 500 Ohm (current) > 10 kOhm (voltage)
nominal value selector	over front sided potentiometer 0-100%
linearity error	< 0,2%
effect of temperature	< 0,03% / K
insulation test voltage	input/output: 3,75 kV RMS signal/power-supply: 4 kV RMS
protective systems	input/output against over voltage, polarity reversal and over current power supply: against over voltage, over current and over heating
CE-conformity	EN 50081-2, EN 50082-2
ambient temperature	0 to 50°C

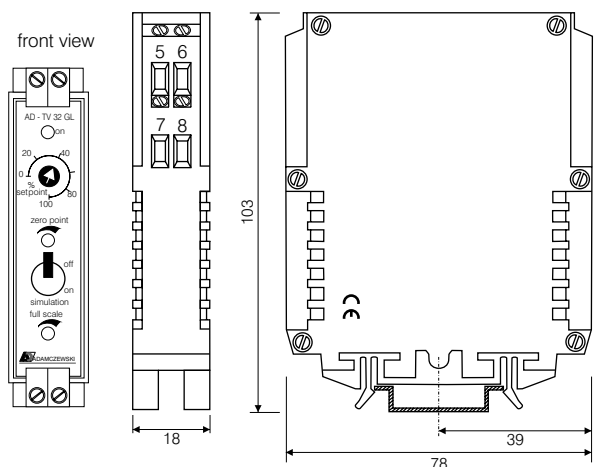
## Connection and dimension: AD-TV 32 GL

input: 0/4-20 mA or 0/2-10 V DC  
output: 0/4-20 mA or 0/2-10 V DC



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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