

# Multiplier Isolation Amplifier

AD-TV 452 GA  
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## Description:

The multiplier separation amplifier AD-TV 45x GA serves the galvanic separation, for amplification and conversion or adaptation of analogue measuring signals with simultaneous multiplication of the input signal. The compact housing can contain up to 4 completely independent output channels. Input, output and the supply voltage are galvanically separated at all channels. The channels are also completely insulated from each other. The types of signal can be freely selected at the input as well as at the individual output channels. The spindle trimmer is located behind the front cover for direct adaptation. The multiplier separation amplifier is also available as 19" card. (AD-TV 45x EV).

## Application:

Galvanic separation, adaptation, amplification and conversion of



an analogue measuring signal and additional multiplication in up to 4 independent output channels.

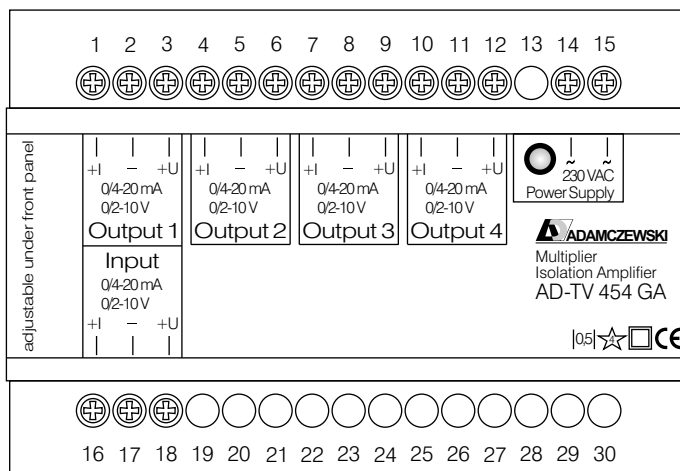
## Technical data:

construction type:	switchboard housing, up to 4 channels
power supply:	230V AC, 50 Hz, +10% (*) alternative 20-30V DC, internal galvanical insulated
power consumption:	ca. 5,8 VA resp. 3,6 W
input:	1 x 0...20mA; 4...20mA; 0...10V; 2...10V adjustable
input impedance:	I = 25 Ohm; U = 500 kOhm
output (max. 4):	0...20mA; 4...20mA; 0...10V; 2...10V each channel adjustable
output load:	max. 500 Ohm with 20mA, each channel min. 500 Ohm with 10V, each channel
linearity error:	< 0,3%
influence of temperature:	< 100 ppm/K
ripple frequency:	< 50 mV <sub>rms</sub>
insulation test:	input/output: 2 kV RMS channel/channel 2 KV RMS signal/power-supply 4 kV RMS AC/DC
protective systems:	input against over voltage and excess current power voltage against excess current, over voltage and excess temperature
CE-conformity:	EN 50081-2 / EN 50082-2
ambient temperature:	0° to 50°C

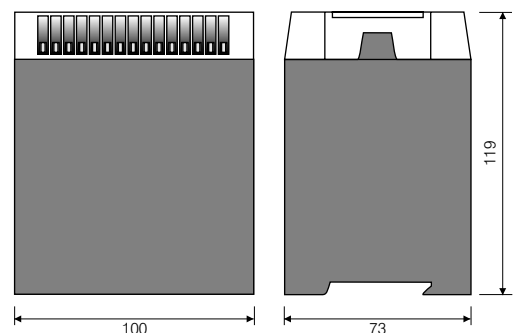
(\*) = values must be defined by order

## Connections and dimensions: AD-TV 452-454 GA

(The last digit defined the number of channels)



weight	650 g	connection data:
protection:	IP 20	fine-wire: 2,5 mm <sup>2</sup>
manner of fastening:		single-wire: 4 mm <sup>2</sup>
attachment rail:	NS35/7,5	max. voltage: 250 V~



Printed 08/2006. We reserve the right for technical changes