

# AC-Isolation Amplifier

with r.m.s (root-mean-square) registration

AD-TV 525 GB  
AD-TV 525 EV

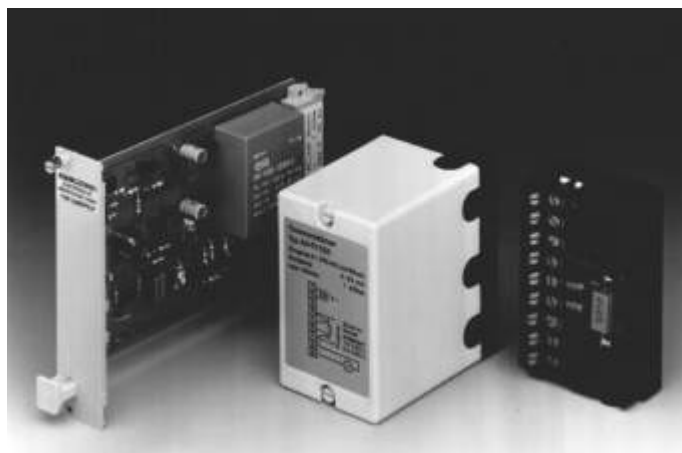
## Description:

The isolation amplifier of type family AD-TV 525 form alternating voltages or alternating currents into an analogous output signal relevant to the effective value. With alternating currents the signal is registered via a shunt. Due to the measuring principle of the mean effective value measuring, even distorted alternating signals can be registered accurately.

Input, output and the supply voltage are galvanically isolated from each other. The output signal is independent from the connected load up to a maximum value.

## Application:

Registration, galvanic isolation, conversion and amplification of alternating quantities in analogue signals. Effective value conversion, adaptation and amplification of the output signals of voltage or current transformer.

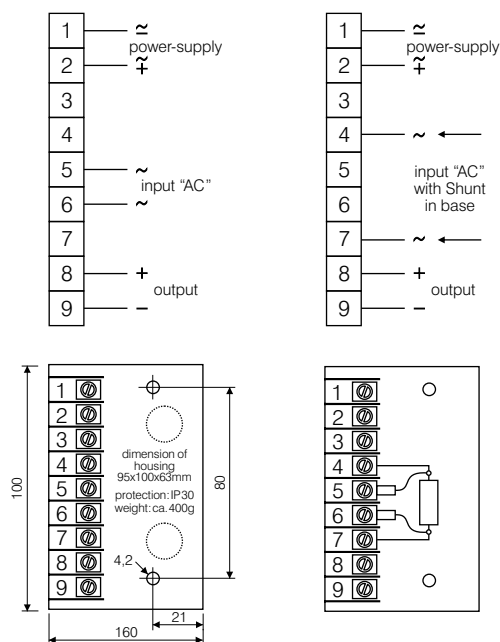


## Technical data:

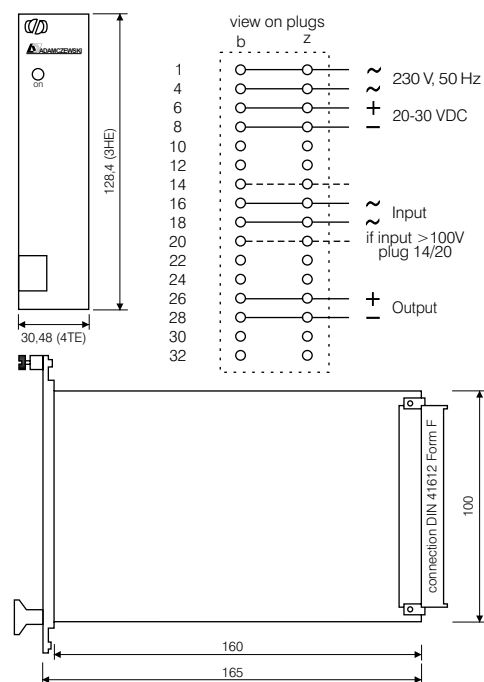
Construction type:	surface housing AD-TV 525 GB Euro-board format AD-TV525 EV
Power supply:	GB: Allpower 20-253V AC(DC) EV: 230V AC $\pm 10\%$ (50-60Hz) alternative 20-30V DC (*) galvanic isolation integrated others on request
Power consumption:	approx. 3 VA resp. 2,5 W
Input:	alternating voltage (max. 500V) alternating current (max. 10A) 50-60 Hz
Measuring principle:	real r.m.s. measurement
Output:	0-20mA, 4-20mA, 0-10V (*) others on request
Output-load:	current: max. 800 Ohm voltage: max. 500 Ohm
Linearity:	< 0,5%
Effect of temperature:	< 200 ppm/K
Insulation voltage:	input/output: 5 kV RMS signal/power supply: 4 kV RMS (230V)
Protective system:	all signal- lines against transient over-voltage. Power-pack against over-current, over voltage, over-temperature
Ambient temperature:	0° to 50°C

(\*) values must be defined by order

### Connections and dimensions: AD-TV 525 GB



### Connections and dimensions: AD-TV 525 EV



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