

Isolation Amplifier bipolar

with high-current output stage

AD-TV 350 GA

Description

The separation amplifier of the type family AD-TV 350 serves the galvanic separation, conversion and amplification of bi-polar signal magnitudes. The high frequency range allows DC as well as AC transmissions. The output stage is designed for currents up to 100 mA.

Input, output and supply voltage are galvanically separated. The output signal is independent of the connected load up to a maximum value.

Application

For registration, galvanic 3-way separation, conversion and amplification of bi-polar measuring magnitudes (voltage or current)

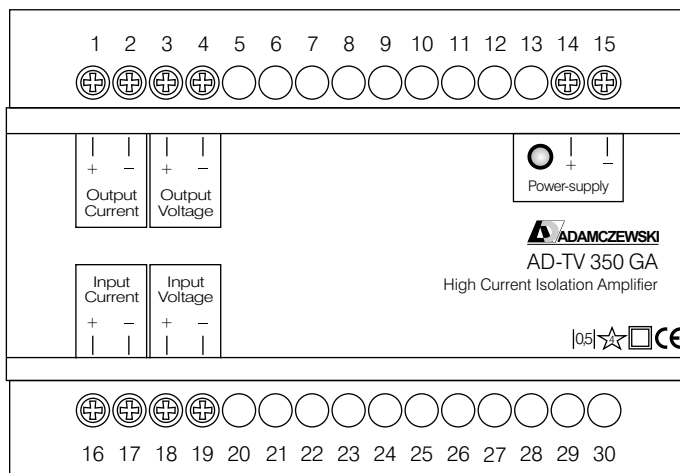


Technical data

construction type	1-channel switchboard- housing
power-supply	20-30 VDC *
	integrated electronic power-rack
	others on request
power consumption	approx. 4,5 W resp. 10 VA
input	current or voltage, also bipolar
	max. -20..0.. +20 mA
	or -10..0.. +10 V
input-resistance	50 Ohm resp. 100 kOhm
output	current max. -100..0.. +100 mA
	voltage max. -10..0.. +10 V
output load	max. 100 Ohm with 100 mA
linearity error	< 0,2%
ripple frequency	< 20 mVss by Ia = 100 mA
effect of temperature	< 50 ppm/K
switch-on drift	0,1%
limiting frequency	default: 1 kHz (-3 dB)
optional	by max. 20 kHz (-3 dB)
insulation test	input/output: 1,5 kV RMS
	signal/power-supply: 2 kV RMS (DC)
	4 kV RMS (AC)
protection systems	input/output: against over-voltage,
	confusing the poles, over-current
	power-rack: against over-current,
	over-voltage and over-temperature
CE-conformity	EN 50081-2, EN 50082-2
ambient-temperature	10-50°C

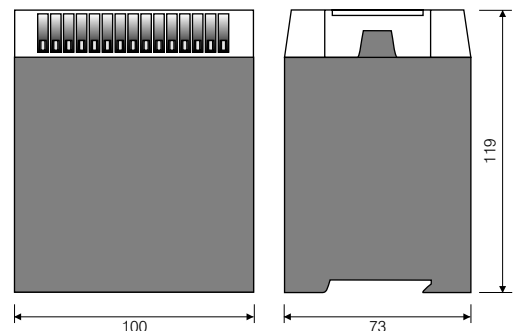
(*) values must be defined by order

Connections and dimensions: AD-TV 350 GA



weight 400 g
 protection: IP 20
 manner of fastening:
 attachment rail: NS35/7,5; NS 32

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



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