

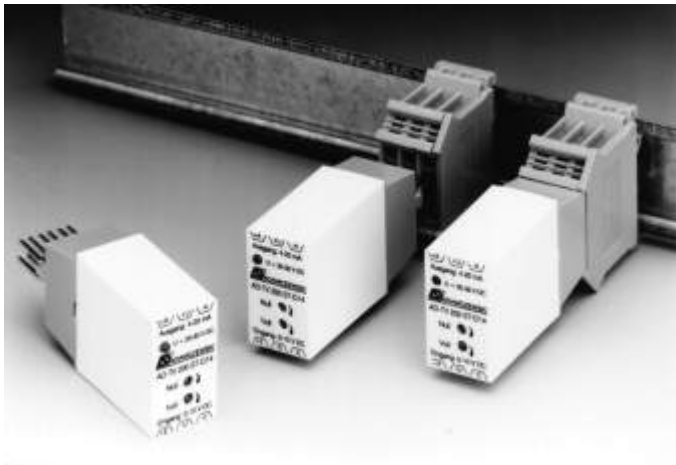
# Isolation Amplifier

AD-TV 200 ST

## Description:

The active isolation amplifiers AD-TV 200 ST serve for galvanic separation, for the amplifying and for converting of analogue standard signals 0-20mA; 4-20mA or 0-10V. The offset and the amplification can be adapted by means of two frontal placed potentiometers. The AD-DC power supply unit enables the supply of 20-30V direct current as well as alternating current. All the signal sizes are galvanically separated from each other and also from the supply voltage (3-way separation); the output signal is independent of the output load up to the maximum value.

The user-friendly plug module technology, which is compatible with passive separator modules, makes a quick and easy installation possible in a small space.



## Application:

Galvanic isolation, amplification and transformation of analogous signals.

## Technical data:

construction type:	1-channel plug-in module with terminal
power-supply:	20-30 VDC
power consumption:	ca. 1 W
input:	0-20mA; 4-20mA; 0-10V (*)
input impedance:	50 Ohm with current-input 10 kOhm/V with voltage-input
output:	0-20mA; 4-20mA; 0-10V (*)
output load:	max. 500 Ohm with current-input min. 500 Ohm with voltage-input
linearity error:	< 0,2 %'
influence of temperature:	< 100 ppm/K
build-up time:	ca. 5 ms (0-90%)
ripple frequency:	< 50 mVss
insulation test voltage:	input/output: 2kV RMS
EMC-compatible:	IEC 801-4 (transient) class 3 IEC 801-5 (impulse voltage) class 3 VDE 0875, curve B (radio interference)
ambient temperature:	0 - 50 °C

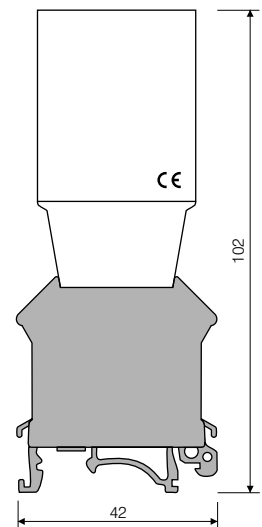
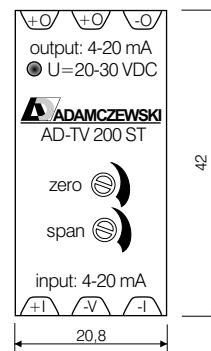
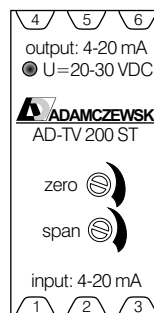
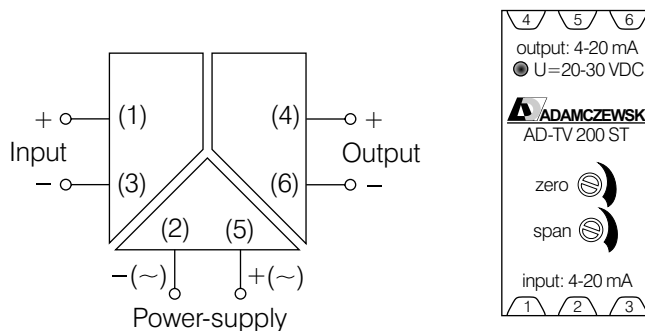
(\*) values must be defined by order

## Connections and dimensions: AD-TV 200 GS

Order specification	input 0-20 mA	input 4-20 mA	input 0-10 V
output 0-20 mA	ADTV200ST225	ADTV200ST425	ADTV200ST125
output 4-20 mA	ADTV200ST245	ADTV200ST445	ADTV200ST145
output 0-10 V	ADTV200ST215	ADTV200ST415	ADTV200ST11

weight 100 g  
protection: IP 20  
manner of fastening:  
attachment rail: NS35/7,5

connection data:  
fine-wire: 4 mm<sup>2</sup>  
single-wire: 4 mm<sup>2</sup>  
max. voltage: 250 V~



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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