

# Isolation Transmitter

AD-TWT 21 GS  
AD-TWT 25 GS

## Description

The passive AC isolator transformer serves as converter of sizes 0-1A AC or 0-5A AC in a non-conductive DC of 0-20mA. The galvanically isolated input signal is independent of the connected load up to a maximum value. The isolation transformer requires no auxiliary energy, the necessary energy is gained from the measuring signal. The user friendly plug-in module design enables fast and problem free fitting with small space requirement.

## Application

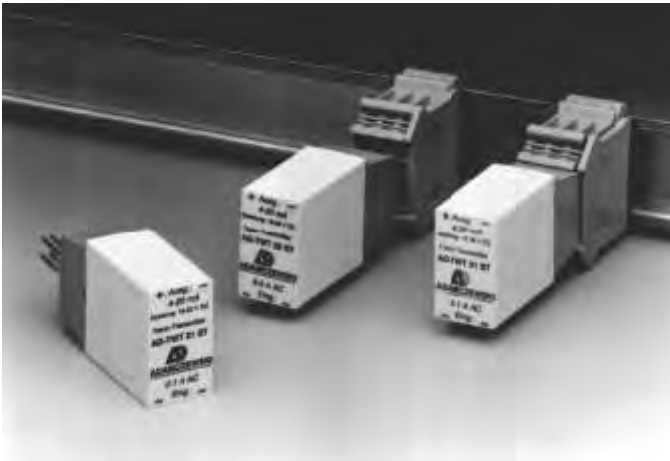
Economical galvanical isolation and conversion of alternating current signals in an impressed 4-20 mA signal with facile to employ 2-wire-transmitter-technic.

## Specification

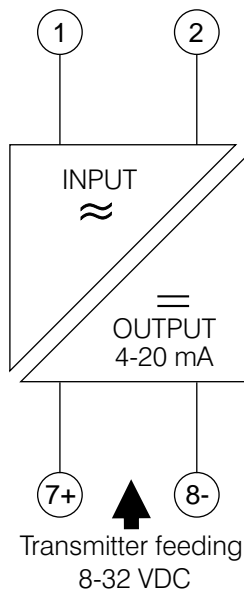
- 2-wire-transmitter technic, low wiring elaborateness
- high linear conversion with galvanical isolation
- output signal of 4-20 mA independent from supply voltage
- facile applicable plug-construction system on terminal block
- connection compatible for further passive Isolation transmitter.

## Description:

Construction type:	1-channel switchboard housing
Power supply:	8-32 V DC
Input:	AD-TWT 21 ST: 0-1 A AC AD-TWT 25 ST: 0-5 A AC AD-TWT 61 ST: 0-400 V AC each with 50 Hz, sinus
Power supply drop:	no
Influence in temperature:	< 150 ppm/K
Reaction time:	ca. 700 ms (10-90%)
Output:	4-20 mA
Load:	$R_b = (U_{sp} - 8V) / 20 \text{ mA}$
Ripple frequency:	max. 0,5% from the final value
Linearity:	< 0,2 % from the final value
Isolation test voltage:	4 kV RMS
Ambient temperature:	0-50 °C
Protection:	over voltage protection 39 V over current protection approx. 75 mA over temperature protection

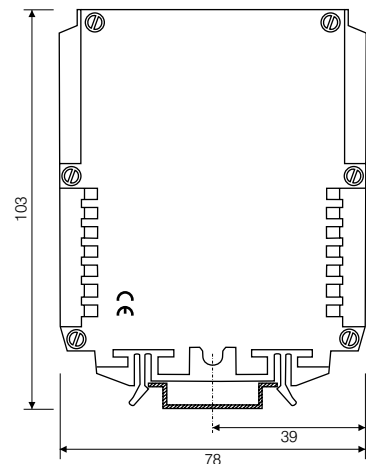
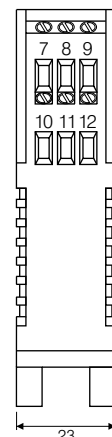


Anschlussschema und Maße: AD-TWT 21 GS  
AD-TWT 25 GS



Gewicht: max. 150 g  
Schutzart: IP 20  
Befestigungsart  
Normschiene: NS35/7,5

Anschlussdaten:  
feindrätig: 2,5 mm<sup>2</sup>  
eindrätig: 4 mm<sup>2</sup>  
Spannung: 250 V~



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