

Supply Isolation Amplifier

Frequency Shift Keying (FSK) qualified

AD-STH 22 GL

Description

The supply separator amplifier AD-STH 22 GL serves in first place the galvanic separation and amplification of transmitter signals (4-20 mA). The 2- or 3-wire transmitter is supplied direct via a galvanically separated and limited supply voltage. It can also be used as purely a burden amplifier (0/4-20 mA). Input, output and the supply voltage are separated galvanically from each other. The output signal is independent from the connected burden up to a maximum value. The AD-STH 22 GL is FSK-able (Frequency Shift Keying) and therefore, for instance, also suitable for the well-known HART-protocol. The electronic wide-range power pack ALLPOWER avoids strong heat development, the units can be mounted directly beside each other. Cross poling is excluded. Due to the narrow construction, very high packing density is achieved.



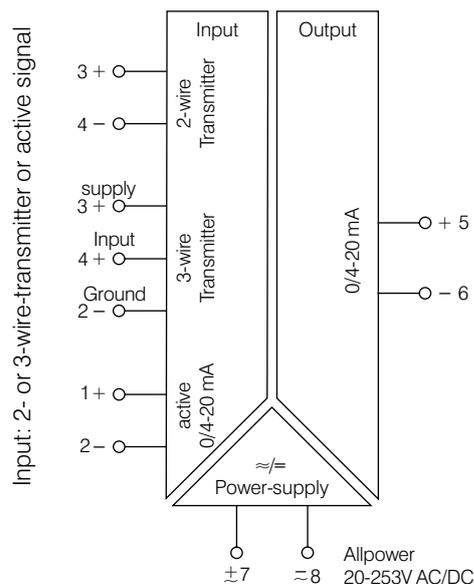
Application

Supply and measuring value recording of 2- or 3-wire transmitter such as pressure transmitter, temperature transmitter and others with simultaneous amplification and galvanic separation. The unit can also be used as a pure burden amplifier. All types of operating are FSK-able (i.e. HART protocol)

Specifications

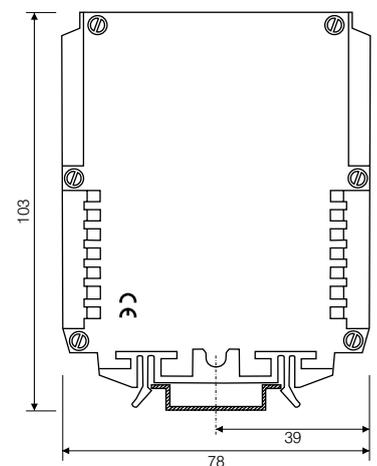
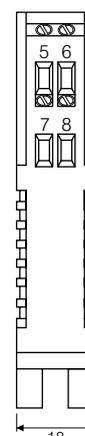
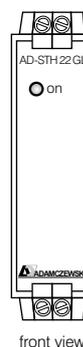
construction type	1-channel switchboard housing
power supply	ALLPOWER - power supply unit 20...253V AC/DC
power consumption	approx. 3,5 VA resp. 2W
input	2- or 3-wire transmitter or active signal 0/4...20mA
transmitter supply	no-load voltage: max. 30V with 20mA: approx. 20V internal limited max. 30mA
output	0/4...20 mA, input:output 1:1
output-load	max. 400 Ohm
linearity	< 0,3%
influence of temperature	< 0,1‰/K
insulation test voltage	input/output 3,75 kV RMS signal/power supply 4 kV RMS
protective systems	input/output against over-voltage, confusing the poles, over-current power rack: against over-voltage, over-current, over-temperature
CE-conformity:	EN 50081-2, EN 50082-2

Connections and dimensions: AD-STH 22 GL



weight 120 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~



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



ADAMCZEWSKI
Elektronische Messtechnik GmbH

Felix-Wankel-Straße 13 · 74374 Zaberfeld
Telefon+49 (0)7046-875 · Telefax+49 (0)7046-7678
vertrieb@ad-messtechnik.de · www.adamczewski.com