



Isolation amplifier with sensor supply for the connection of 4...20mA signals out of the explosive hazardous areas

## Application

Active barrier with standard power supply ExTVA-500-UC of ACS-CONTROL-SYSTEM GmbH enables the safe separation of 4 to 20 mA signal circuits with an optional intrinsically safe input, e.g. elimination of ground loops. The current transmitted from the transmitter to the input circuit (4 to 20 mA) is linearly transmitted to the output. The active barrier galvanically separates and supplies 4 to 20 mA signal circuits. At the current input transmitters are connected, an additional power supply is therefore not required. A current signal is available at the output (active output) for connection to further instrumentation. Bi-directional HART® -communication with SMART-transmitters is possible using the built-in communication sockets (with resistance  $R = 250 \Omega$ ). The optional intrinsically safe input circuit fulfills die ignition protection class intrinsically safe (i).

### Areas of application

- Galvanic isolation of 4 ... 20 mA circuits
- Elimination of ground loops
- Energize 2-wire transmitters

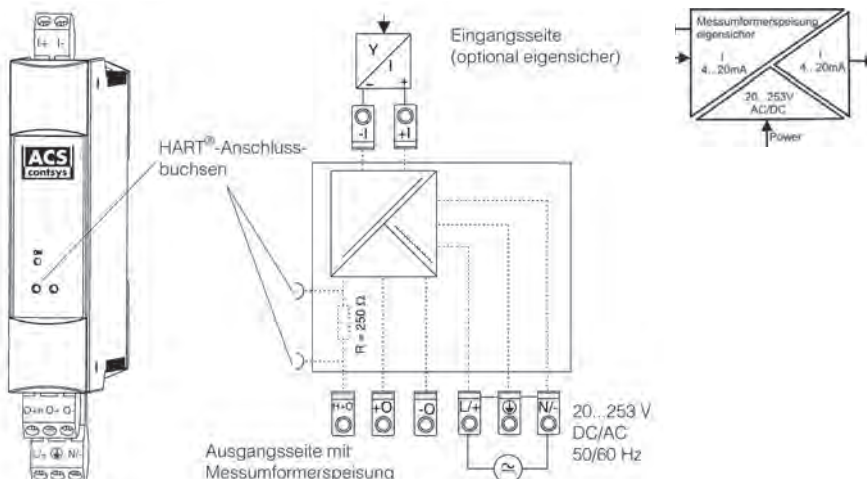
## Advantages

- Power supply, wide range power supply, flexible power supply
- Bidirectional HART® transmission
- Communication sockets for HART® sensor
- Compact modular housing
- Sensor supply for 4...20mA devices
- Compact rail fastening housing 22,5mm
- 20...253V AC / DC wide range supply
- Certification for connection of intrinsically safe devices [Ex ia] IIC

## Technical data

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Design:	mounting rail 35mm, housing 22,5mm
Input:	4...20 mA eigensicher
Operating voltage:	20...250 V AC/DC; Hart-compatible
Output:	4...20 mA, active
Certification:	ATEX II (1) GD [Ex ia] IIC

## Connection



**По вопросам продаж и поддержки обращайтесь:**

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