

# Signal isolation/signal amplification



## TV 22 GL

**Description** The TV 22 GL isolation amplifier is used for galvanic isolation and amplification of DC current signals (mA). Input and output are galvanically isolated with a high degree of isolation. The integrated high-efficiency electronic power supply unit helps to avoid overheating and allows for high output loads. The extremely narrow design results in a high packing factor.

### Technical specifications

**Housing**  
DIN rail housing  
W x H x D 18 x 78 x 103 mm

**Supply voltage**  
AC/DC 20–253 V

**Inlet**  
0–20 mA or 4–20 mA

**Output**  
0–20 mA or 4–20 mA  
1:1 to input signal

**Output load**  
Max. 400 Ohm



## TV 200 GS

The TV 200 GS isolation amplifier is used for galvanic isolation, conversion and amplification of standard output signals (V/mA). Input and output are galvanically isolated with a high degree of isolation. The integrated high-efficiency electronic power supply unit helps to avoid overheating and allows for high output loads. Offset and gain can be set by means of two potentiometers on the front.

**Housing**  
DIN rail housing  
W x H x D 23 x 78 x 103 mm

**Supply voltage**  
AC/DC 20–253 V

**Inlet**  
Part no. 53704: 4–20 mA  
Part no. 53705: 0–10 V

**Output**  
Part no. 53704: 0–10 V  
Part no. 53705: 4–20 mA

**Output load**  
Max. 500 Ohm current output  
Min. 1 kOhm voltage output



## STV 22 GL

The STV 22 GL supply isolation amplifier is used for galvanic isolation and amplification of DC current signals (mA). The connected transducer is directly supplied by means of a galvanically isolated and limited supply voltage. Input and output are galvanically isolated with a high degree of isolation. The integrated high-efficiency electronic power supply unit helps to avoid overheating and allows for high output loads.

**Housing**  
DIN rail housing  
W x H x D: 18 x 78 x 103 mm

**Supply voltage**  
DC 20–253 V  
AC 50–253 V

**Sensor supply**  
DC 24 V open circuit voltage  
DC 17 V at 20 mA

**Inlet**  
0–20 mA or 4–20 mA

**Output**  
0–20 mA or 4–20 mA  
1:1 to input signal

**Output load**  
Max. 400 Ohm

DG: H, PG: 4	Part no.	Price €
<b>Isolation amplifier TV 22 GL</b>	53701	
<b>Isolation amplifier TW 41 GM</b> (isolator without power supply)	53702	
<b>Isolation amplifier TWH 41 GM</b> (HART-enabled)	53703	
<b>Isolation amplifier TV 200 GS*</b> (input 4–20 mA/output 0–10 V)	53704	
<b>Isolation amplifier TV 200 GS*</b> (input 0–10 V/output 4–20 mA)	53705	
<b>Supply isolation amplifier STV 22 GL</b>	53706	

\* Other signals on request.

Blue part no. = in-stock items