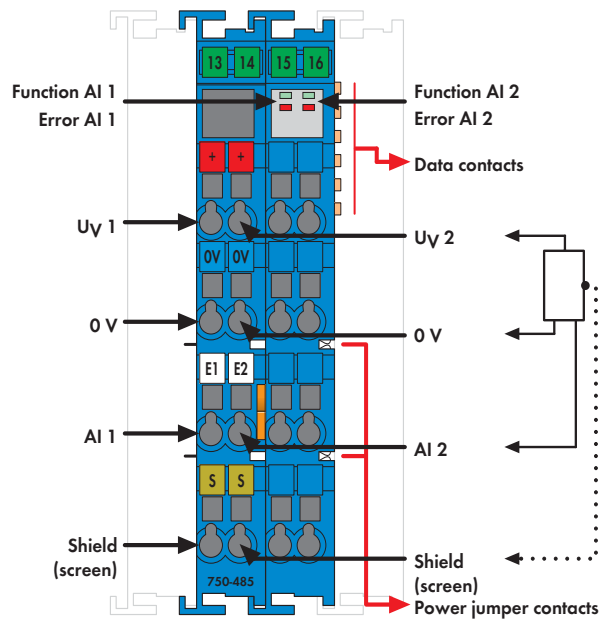


750-485

2-Channel Analog Input Module 4-20 mA, Ex i

Single-ended (S.E.)



Delivered without miniature WSB markers

The analog input module provides power to the intrinsically safe signal conditioners located in the hazardous Zone 0+1 and processes their analog signals.

The WAGO-I/O-SYSTEM 750 must be installed either in Zone 2 or in a non-hazardous area.

The 24 V supply is derived from the module's power jumper contacts. The transmitter supply is non-inherently electronically short-circuit-protected. The shield (screen) is directly connected to the DIN rail.

LED displays:


- Green LED (signal current on/off)
- Red LED (wire breakage, measuring range overflow/underflow)

Field and system levels are electrically isolated.

Note:

Only use the analog input module in connection with the 24VDC Ex i Supply Module!

General information (e.g., installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals!

| Description | Item No. | Pack. Unit |
|---|----------------|------------|
| 2AI 4-20mA Ex i | 750-485 | 1 |
| Accessories | | |
| Miniature WSB Quick marking system | | |
|  plain | 248-501 | 5 |
| with marking | see Section 11 | |

| Technical Data | |
|---|--|
| Number of inputs | 2 |
| Current consumption, system voltage typ. (5 VDC) | 31 mA |
| Voltage via power jumper contacts | 24 V DC (provided via Ex-i supply $U_o = \text{max. } 27.3 \text{ V}$) |
| Transmitter supply | $U_v = 16 \text{ V}$ at 20 mA |
| Signal current | 4 ... 20 mA |
| Input resistance | < 100 Ω |
| Resolution | 12 bits |
| Conversion time | < 2 ms |
| Measuring error (25 °C) | < $\pm 0.2 \%$ of the full scale value |
| Temperature coefficient | < $\pm 0.01 \%$ / K of the full scale value |
| Current consumption, power jumper contact typ. (24 VDC) | 11 mA + load |
| Power consumption P_{max} | 1.3 W |
| Power loss P_v | 0.75 W |
| Isolation | $U_M = 375 \text{ V}$ system/supply |
| Bit width | 2 x 16 bits data 2 x 8 bits control / status (optional) |



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