



Z-4AI 4-CH ANALOG INPUT MODULE/ RS485 MODBUS RTU



Modbus

TOP
PRODUCT

TECHNICAL DATA

GENERAL DATA

| | |
|-------------------|--|
| Power Supply | 10..40 Vdc / 19..28 Vac / 50-60 Hz |
| Power Consumption | 0,5 W |
| Isolation | 1.500 Vac (3 way) |
| Power Transducers | - |
| Status Indicators | Power supply Error Data transmission Data reception |
| Protection Degree | IP20 |

THERMOMECHANICAL FEATURES

| | |
|-----------------------|--|
| Operating Temperature | -10..+65°C |
| Dimension | 17,5 x 100 x 112 mm |
| Weight | About 140 g |
| Housing | Nylon 6 with 30% glass-fiber, V0 self-extinguished class |
| Connections | Removable terminals block, plug in connectors, max wire size 2.5 mm ² |
| Mounting | 35 mm DIN rail guide 46277 |

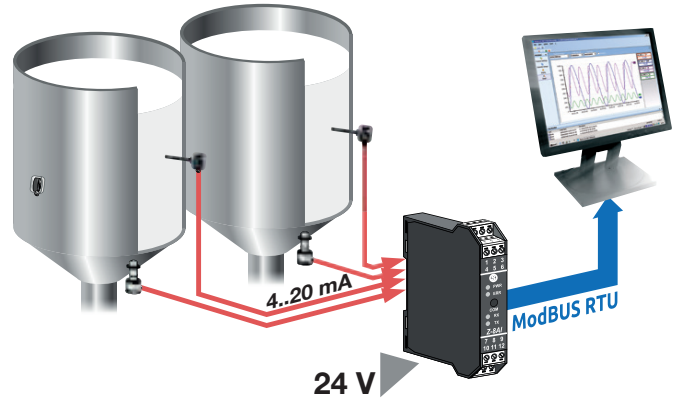
COMMUNICATION, PROCESSING, MEMORY

| | |
|--------------------|--|
| Interfaces | 2 wires RS485 RS232 (DB9 Jack stereo 3.5 mm) |
| Speed | Up to 115.200 bps |
| Protocol | ModBUS RTU slave |
| Communication Time | < 10 ms (@ 38400 baud) |
| Distance | up to 1.200 m |
| Connectivity | Max 32 nodes |
| Data Memory | EEPROM for the configuration parameters, retention time 10 years |

SIGNALS, MEASUREMENT; CONFIGURATIONS, NORMS

| | |
|-------------------|--|
| Channels | 4 |
| Type | Programmable bipolar input voltage(±2,5 Vdc, ±10 Vdc, impedance >100 kΩ)or current (±20mA) |
| Resolution | 16 bit |
| Accuracy | 0.1% |
| Thermal Drift | 0,01%/°C |
| Programming | Z-NET4 (IEC 61131 software) EASY SETUP(plug&play software) DIP switches |
| Norms & Approvals | UL-UR, CE, EN50081-2, EN 55011, EN 50082-2, EN 61000-2-2/4, EN 50140/141, EN 61010-1, EN 60742 |

APPLICATION EXAMPLE



ORDER CODES

| Code | Description |
|-------------|--|
| Z-4AI | 4-CH analog input module/ RS485 MODBUS RTU |
| Software | pag. 41 |
| Accessories | pag. 45 |