



Z-SG STRAIN GAUGE 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	2,5 W
Isolation	1.500 Vac (3 way)
Power Transducers	Power Supply Error Data Transmission Data Receiving
Protection Degree	IP20

THERMOMECHANICAL FEATURES

Operating Temperature	-10..+65 °C
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 Rear IDC10 connector for Z-PC backplane
Mounting	35 mm DIN rail guide 46277

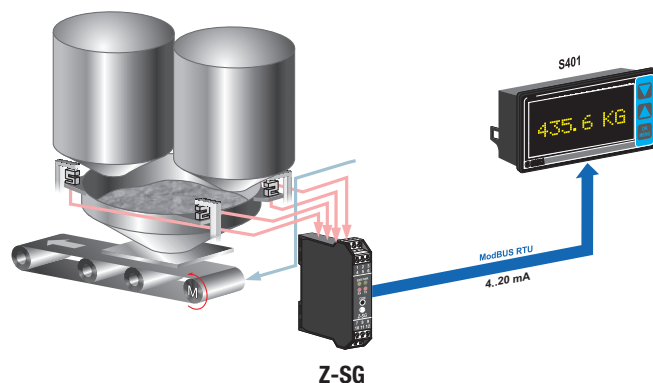
COMMUNICATION, PROCESSING, MEMORY

Interfaces	2 wires RS485
Speed	Up to 115 kbps
Protocol	ModBUS RTU slave
Communication Time	< 10 ms (@ 38400 baud)
Distance	Up to 1200 m
Connectivity	Max 32 nodes
Data Memory	EEPROM for the configuration parameters, retention time 40 years

SIGNALS, MEASUREMENT, CONFIGURATIONS, NORMS

Channel	1 input, 1 output
Type	INPUT N.1 analog channel for load cell (and power supply) up to 4 (350Ω) or 8 (1.000 Ω) strain gauge load cells, connection to 4 or 6 wires, impedance equal to 87 Ω OUTPUT N.1 analog retransmission channel of the net weight in current (0..20, 4..20 mA) or in voltage (0..5, 0..10 V) N.1 Digital Input or Output for calibration tare or weight limit Sensibility: from 1 to 64 mV/V
Resolution	24 bit
Accuracy	0,01%
Thermal Drift	25 ppm/K
Programming	Z-NET4 (IEC 61131 software) EASY SETUP (plug&play software) DIP switches
Norms & Approvals	CE, EN 61000-6-4/2002, EN 61000-6-2/2002, EN 61010, EN 60742, IEC 61131

APPLICATION EXAMPLE



ORDER CODES

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