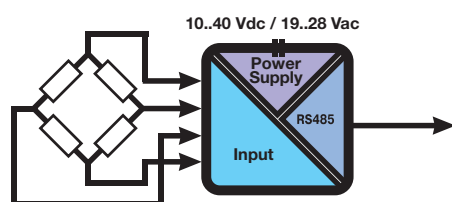




ZC-SG

STRAIN GAUGE CANOPEN INPUT MODULE



ZC-SG is a strain gauge signal converter. Measurements taken using the 6-wires or 4-wires technique are available through CANopen protocol. Sensitivity from 1 to 64mV/V, settable by DIP-switch for integer values, via software for real/integer values. Stable weight indication via CANopen/digital output. Remote writing of the tare in volatile and/or non-volatile memory by digital input/CANopen.

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc; 19..28 Vac
Power Consumption	2 W
Power transducers	5 Vdc, up to 4 / 8 load cells
Galvanic isolation	1,5 kVac (3 way)
Input protection	Against ESD discharge up to 4 kV
Status indicators	Power, communication, fault input
Response time	< 7 ms
Accuracy	0,01%
A/D Resolution	24 bit
Thermal drift	< 25 ppm/°C
Dimensions (W x H x D)	17,5 x 100 x 112 mm
Enclosure, weight, colour	PBT, 140 g., black
Operating temperature	-10..+65 °C
Connections	Removable screw terminals IDC10 connector for Z-PC-DIN backplane RS232, front jack, speed 2400 Baud
Protection degree	IP20
Configuration	Dip Switches (baud rate, Node ID) - EDS file
Protocols supported	CAN bus standard (2.0A, 2.0B) CANopen (profile CiA 401 v.2.01) ModBUS RTU (through RS232)
CANopen max speed	1 Mbps
Conformity	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1 CAN 2.0A, 2.0B - CiA 401 v.2.01

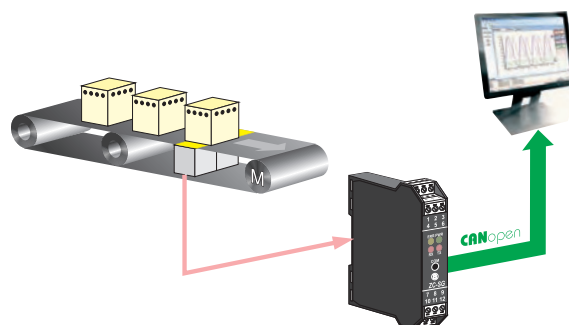
Input Data

Nr channels	2
Type	ANALOG Load cells (strain gauge), Voltage supply 5 Vdc Min impedance 87 Ω 4 or 6 –wire bridge connections Sensitivity from 1 to 64 mV Full scale: 5..320 mV DIGITAL Tare calibration and span (max 30 V)

Output Data

Nr channels	2
Type	DIGITAL Nr 1 channel for stable weight or threshold (max 30 V, 50 mA)

APPLICATION NOTE



ORDER CODES

Code	Description
ZC-SG	Strain gauge input module/ CANopen module, 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE

Z-PC-DIN	Z-SUPPLY	EASY SETUP	SG-EQ4
Backplane for power & bus communication	Switching power supply	Plug&Play configuration software	Load cell connection and equalization system
pg. 36	pg. 36	pg. 36	-

SIMILAR PRODUCTS



Z-SG
Strain gauge input module/ Modbus + analog output
pg. 22