

1-channel strain gauge measurement

μCAN.1.sg-SNAP

1- channel strain gauge measurement with 16-bit resolution

The decentralized data acquisition unit **μCAN.1.sg-SNAP** is configured to acquire strain gauge signals.

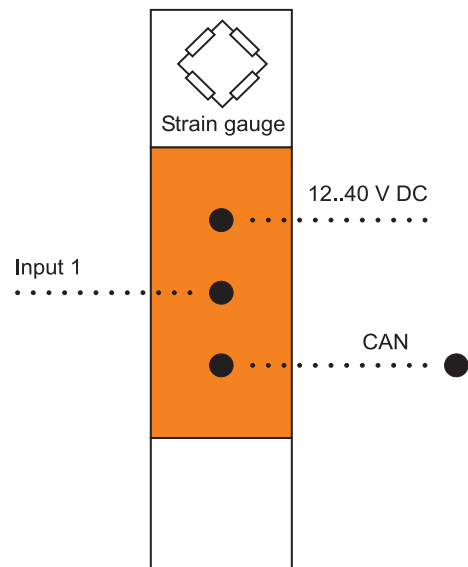
Due to its narrow and compact structure our **μCAN** unit is ideally suited for DIN-rail mounting in a control cabinet.

Plug-in screw terminals facilitate quick integration of the **μCAN.1.sg-SNAP** into your systems.



Features

- Acquisition of forces, torques, sequences and voltages
- Internal power supply of the strain gauge bridge
- Protocol: CANopen CiA 404
- Extended ambient temperature range of -40°C ...+85°C
- Activation of the calibration shunt via relay output (80% calibration)



Technical Data	Force acquisition μ CAN.1.sg-SNAP
Number of channels	1
Power supply voltage	12...40 V DC, reverse polarity protected
Power consumption	1 W (42mA @ 24V DC)
Potential isolation	--- (optional fieldbus/control voltage.: 500Veff)
Operating Temperature	-40°C...+ 85°C (others upon request)
Transfer rate	10kBit/sec up to 1MBit/sec
Protocol	CANopen CiA 404 (CAN 2.0A and 2.0B)
Number of PDO (CANopen)	2 transmit PDOs
Configuration	Sensor type via fieldbus Bit rate and module address via DIP-switches
Status display	1 bi-color flashing indicator LED for status information
Protection class	IP 20
Housing	DIN-rail housing 22.5x114.5x99mm (LxWxH)
EMC	EN 50082 compliant
Vibration resistance	---
Shock resistance	---
Resolution / Conversion time	16-bit / 20ms
Signal Type / Input Error @23°C ambient temperature	Strain gauge full bridge, 4-conductor 0-100mV 3,3mV/V 2,0mV/V 0.1% fsd

Order Number	Description
10.50.001	μ CAN.1.sg-SNAP 1-channel force signal acquisition module (DMS) with CANopen, no galvanic isolation . Power supply of the pressure sensor with 9V DC can be provided via the CAN-module. The calibration shunt can be activated via a short-circuit bridge. Connection of all signal wires via COMBI-CON plugs.
10.50.002	μ CAN.1.sg-SNAP 1-channel force signal acquisition module (DMS) with CANopen, galvanic isolation . Power supply of the pressure sensor with 9V DC can be provided via the CAN-module. The calibration shunt can be activated via a short-circuit bridge. Connection of all signal wires via COMBI-CON plugs.