

## Trafag CMP CANopen miniature pressure transmitter



- Very small and cost effective pressure transmitter
- Completely welded sensor system (thin film on steel) without additional seals
- Excellent shock and vibration resistance for heavy duty applications
- Pressure connection: G 1/4-inch male, 1.4542 AISI 630, other threads available upon request
- For relative and absolute pressure measurement starting at 0,2 bar up to 600 bar rel.
- Total Error Band (TEB) at -25 °C to +85 °C available up to ±0,2 % FS typ
- Outstanding operating temperature from -40 °C to +125 °C
- Temperature signal accuracy ±1 °C typ
- Resolution ( $\Delta \Sigma$  20 bit/s): 0,01 % at  $\geq 10$  ms
- EMC protection according to EN/IEC 61000

### General features

- All CAN network speeds: 10 kbit/s to 1 Mbit/s with automatic bit-rate detection
- Supports 11-bit/29-bit CAN-IDs
- Measuring and transmitting frequency up to 1 kHz
- Additional PDO mode: delta- and limit-triggered
- All standardized data types for PDOs: floating point, integer with 32 bit, 24 bit, 16 bit
- Selectable, magnitude adjustable physical units: bar, Pa, psi, mmHg, mmWg, atm, at, °C, °F, K
- Four pressure and four temperature thresholds with eight freely definable CAN messages
- Auto-Start mode for operating without an NMT master
- Parameter saving: communication, application

- Flash update available
- Auto-Zero function
- LSS (CiA 305 V2.0) services

## Contact



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We are worldwide represented. For your local Trafag distributor please contact us or visit our website.

## Features

<b>NMT</b>	NMT slave
<b>Error control</b>	Node guarding Life guarding Heartbeat producer
<b>Boot-up</b>	Yes
<b>Node ID range</b>	From 1 to 127
<b>Node ID</b>	Software switch LSS-services Proprietary
<b>CANopen bit-rates</b>	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s

	500 kbit/s 800 kbit/s 1 000 kbit/s
<b>Type of bit-rate adjustment</b>	Software switch LSS-services Proprietary
<b>RPDOs</b>	No
<b>TPDOs</b>	4
<b>PDO modes</b>	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (acyclic)
<b>PDO linking</b>	Yes
<b>PDO mapping</b>	Dynamic
<b>SDO server</b>	1
<b>SDO client</b>	No
<b>Emergency producer</b>	Yes
<b>Emergency consumer</b>	No
<b>Sync producer</b>	No
<b>Sync counter</b>	No
<b>Time stamp</b>	No
<b>Additional functions</b>	LSS slave Self-starting device Program download
<b>CANopen version</b>	CiA 301 V 4.0.2
<b>Frameworks</b>	CiA 302 CiA 305
<b>Device profiles</b>	CiA 404: CANopen device profile for measuring devices and closed-loop controllers
<b>Certified</b>	Yes
<b>Availability</b>	In stock