

P-3X pressure transmitter family



As CANopen gains more and more popularity in the automation sector, the need is rising for truly capable and reliable instruments that can serve that expanding sector. WIKAI has the answer: P-30 CAN.

The P-30 CAN is a high precision pressure transmitter built completely by our experienced engineers in our production site in Germany.

The highest quality standards are followed in all production steps, to ensure the reliability and quality of WIKAI pressure transmitters.

A combination of a reliable WIKAI pressure sensor and premium electronic components, housed in a stainless steel case with high IP rating; makes the P-30 CAN ideal in test benches and test stands, in laboratories, in quality and testing facilities and even in the field of process control and automation.

All wetted parts are made of stainless steel and are hermetically welded. Therefore there is no need for additional sealing material, which could possibly react with the pressure medium.

Special Features

- Pressure ranges: 250 mbar up to 1,000 bar
 - Accuracy: 0.1 % up to 0.05 % , with no additional temp errors between 10 and 60 °C
- Wide selection of pressure port threads and electrical connector types

Communication services

The P-30 CAN supports, among others, LSS, Node Guarding, Heartbeat, synchronous and asynchronous data transmission. The bit-rate can be adjusted from 10 kbit/s up to 1 Mbit/s.

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Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Software switch LSS-services Proprietary
CANopen bit-rates	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
Type of bit-rate adjustment	Software switch LSS-services (defined in CiA 305) Proprietary
RPDOs	No
TPDOs	1
PDO modes	Triggered by event-timer Remotely-requested Synchronous (cyclic)
PDO linking	No
PDO mapping	Variable
SDO server	1
SDO client	No
Emergency producer	

	No
Emergency consumer	No
Sync producer	Yes
Sync counter	No
Time stamp	No
Additional functions	LSS slave
CANopen version	CiA 301 V 4.2
Frameworks	CiA 305
Device profiles CiA 404: CANopen device profile for measuring devices and closed-loop controllers	
Certified	Yes
Availability	In stock