

MHC-1 pressure transmitter

Pressure transmitter for mobile hydraulic applications with output signals CANopen® and J1939

Reliable and high-performance

The long-standing experience of WIKA in the area of serial bus systems, and also with digital pressure transmitters has been incorporated into this instrument. The model MHC-1 combines outstanding temperature characteristics, excellent accuracy specifications and an instrument concept that has been designed for the severe operating conditions of mobile applications. A special qualification test programme simulated these high requirements.

CANopen® or J1939

This pressure transmitter has been specifically developed in order that the typical protocols for mobile hydraulics can be offered in a single instrument. The model MHC-1 is available with either CANopen® or J1939 protocol.

Applications

- Construction machinery
- Agricultural machinery
- Industrial trucks
- Cranes

Special features

- Tested for harsh environmental conditions
- High EMC protection
- Version with integrated Y-connector
- CANopen® and J1939 output signals

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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	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	Hardware switch (local interface) 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	Yes
Emergency consumer	No
Sync producer	No
Sync counter	No
Time stamp	No

Additional functions	LSS slave
CANopen version	CiA 301 V 4.0.2
Frameworks	CiA 305
Device profiles CiA 404: CANopen device profile for measuring devices and closed-loop controllers	
Certified	Yes
Availability	In stock