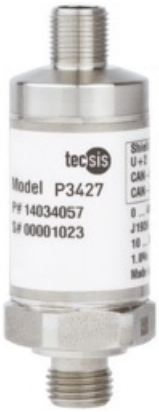
Comes with CANopen or J1939

The P3427 pressure sensor by Tecsis is designed for rugged use in mobile hydraulics. The CAN interface complies with CANopen or SAE J1939 higher-layer protocols.



The P3427 pressure sensor can be pre-configured, in order to simplify system integration (Photo: Tecsis)

The housing and the medium wetted parts are made of stainless steel and are resistant to chemically aggressive media. The pressure connection and measuring element are welded together, so the measuring system is resistant to mechanical shock and vibration effects. The pressure sensors are IP6K9K-rated.

The CAN-connectable P3427 sensors feature a measuring range from 0 bar to 60 bar to 0 bar to 1000 bar. The products are suitable for agriculture and construction machinery, cranes as well as commercial vehicles. They are available from the manufacturer Tecsis as well as from Tele Radio selling the pressure sensors to its customers. The CANopen implementation complies with the CiA 404 CANopen profile for measuring devices. The bit-rate is preset to 250 kbit/s. The J1939 version uses proprietary PGs (parameter groups).

Additional pressure transducers

Tecsis also offers the P3327 and P3328 pressure transducers not specifically dedicated for mobile hydraulics. They provide CANopen connectivity supporting additionally LSS (layer setting services) functionality. The sensors comply with the CiA 404 profile specification. The CAN interface supports all CiA 301 bitrates from 20 kbit/s to 1 Mbit/s. The products meets the EMC (electronic magnetic compability) requirements of EN 61326. The measuring ranges from 0 bar to 0,25 bar to the maximum pressure range of 1000 bar. The packaging is the same as of the above-mentioned pressure sensor.

hz