

PRESSURE SENSOR

Transducer supports CANopen and J1939

The KD41 stainless steel pressure sensor by Ashcroft features 1000g shock resistance and 20g vibration resistance.



The measuring range of the [KD41](#) pressure transducer is up to 1378 bar. The accuracy (total error band) is $\pm 2\%$ specified for the temperature range from $-40\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$. Typical applications include hydraulic and pneumatic sensing in off-road vehicles as well as in heating, ventilation, and air-conditioning systems.

The transducers are equipped with a CAN interface supporting CANopen (CiA 404) and J1939 connectivity. The CANopen version is available with and without integrated termination resistors including a split termination. The used vendor ID is 439 (ADZ). The measured data can be given in integer16, Integer32, and Real format. Additionally, the process value can be time-stamped. The J1939 version uses proprietary a PGN (65330). The manufacturer ID is 455 (Ashcroft Nagano). The J1939 sensor does not provide bus termination. The bit rate is by default 125 kbit/s.

[hz](#)

The pressure sensor comes in an IP67- or IP69K-rated stainless steel housing (Photo: Ashcroft)