

New to the Bosch product range: high-pressure sensors for mobile hydraulics

Bosch hydraulic sensors stand out for their high precision and robustness concerning pressure peaks and changing temperatures



High-pressure sensors with Bosch compact interface for hydraulic applications

Hydraulic systems are used for different applications such as construction and agricultural machinery or municipal vehicles.

By measuring the hydraulic pressure, sensors provide the control unit with important information regarding the

machine and its environment. The robust Bosch hydraulic sensors were originally developed for industrial hydraulic applications. They are now also certified for mobile hydraulic applications – and available from Bosch in the Automotive Aftermarket.

BOSCH HIGH-PRESSURE SENSORS ARE EXTRA ROBUST AND VERSATILE

Installed into mobile machinery, these compact sensors have to cope with extreme environmental influences. High resistance to vibrations and pressure peaks are here necessary. These sensors are designed for temperatures ranging from -40 to +140 degrees Celsius. They detect excess voltage and undervoltage, they are resistant to electromagnetic noise sources featuring more than 150 V/m (EMC) and are easily installed: Once the pressure of the hydraulic system has been released, they are simply screwed into the system applying the specified torque.

As per the respective market requirements, the Bosch sensor range is continuously expanded.

Nominal pressure	Bosch part number	Mechanical interface	Type of signal
50 bar	0 261 546 003	G1/4 with seal ring	Analog
50 bar	0 261 546 007	G1/4 with seal ring	SENT
100 bar	0 261 546 00B	G1/4 with seal ring	Analog
280 bar	0 261 546 00X	7/16-20 UNF with O-ring	Analog
280 bar	0 261 546 00V	7/16-20 UNF with O-ring	SENT
280 bar	0 261 546 00W	9/16-18 UNF with O-ring	Analog
280 bar	0 261 546 00S	9/16-18 UNF with O-ring	SENT
280 bar	0 261 546 002	G1/4 with seal ring	Analog
280 bar	0 261 546 006	G1/4 with seal ring	SENT
400 bar	0 261 546 00A	M 14x1.5 with O-ring	Analog
420 bar	0 261 546 00N	7/16-20 UNF with O-ring	Analog
420 bar	0 261 546 00U	7/16-20 UNF with O-ring	SENT
420 bar	0 261 546 00L	9/16-18 UNF with O-ring	Analog
420 bar	0 261 546 00R	9/16-18 UNF with O-ring	SENT
420 bar	0 261 546 001	G1/4 with seal ring	Analog
420 bar	0 261 546 005	G1/4 with seal ring	SENT
600 bar	0 261 546 00M	7/16-20 UNF with O-ring	Analog
600 bar	0 261 546 00T	7/16-20 UNF with O-ring	SENT
600 bar	0 261 546 00K	9/16-18 UNF with O-ring	Analog
600 bar	0 261 546 00P	9/16-18 UNF with O-ring	SENT
600 bar	0 261 546 000	M 14x1.5 with O-ring	Analog
600 bar	0 261 546 004	M 14x1.5 with O-ring	SENT



Bosch Off-Highway

Bosch offers a wide range of high-quality systems and components for the Off-Highway sector – including several different sensors.



For additional information, please have a look at www.boschoffhighway.com