Sensor Info

BOSCH
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Hydraulic sensors, May 2021

No press release!

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.

Nominal pressure	Bosch part number	Rexroth reference number	Mechanical interface	Type of signal
50 bar	0 261 546 003	0 261 545 165	G1/4 with seal ring	Analog
50 bar	0 261 546 007	0 261 547 023	G1/4 with seal ring	SENT
100 bar	0 261 546 00B	0 261 546 009	G1/4 with seal ring	Analog
280 bar	0 261 546 00X	0 261 545 00S	7/16-20 UNF with O-ring	Analog
280 bar	0 261 546 00V	0 261 547 00T	7/16-20 UNF with O-ring	SENT
280 bar	0 261 546 00W	0 261 545 00P	9/16-18 UNF with O-ring	Analog
280 bar	0 261 546 00S	0 261 547 00P	9/16-18 UNF with O-ring	SENT
280 bar	0 261 546 002	0 261 545 158	G1/4 with seal ring	Analog
280 bar	0 261 546 006	0 261 547 010	G1/4 with seal ring	SENT
400 bar	0 261 546 00A	0 261 546 008	M 14x1.5 with O-ring	Analog
420 bar	0 261 546 00N	0 261 546 00H	7/16-20 UNF with O-ring	Analog
420 bar	0 261 546 00U	0 261 547 00S	7/16-20 UNF with O-ring	SENT
420 bar	0 261 546 00L	0 261 546 00F	9/16-18 UNF with O-ring	Analog
420 bar	0 261 546 00R	0 261 547 00N	9/16-18 UNF with O-ring	SENT
420 bar	0 261 546 001	0 261 545 134	G1/4 with seal ring	Analog
420 bar	0 261 546 005	0 261 547 021	G1/4 with seal ring	SENT
600 bar	0 261 546 00M	0 261 546 00G	7/16-20 UNF with O-ring	Analog
600 bar	0 261 546 00T	0 261 547 00R	7/16-20 UNF with O-ring	SENT
600 bar	0 261 546 00K	0 261 546 00E	9/16-18 UNF with O-ring	Analog
600 bar	0 261 546 00P	0 261 547 00M	9/16-18 UNF with O-ring	SENT
600 bar	0 261 546 000	0 261 545 174	M 14x1.5 with O-ring	Analog
600 bar	0 261 546 004	0 261 547 015	M 14x1.5 with O-ring	SENT

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.

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**

Imprint: Robert Bosch GmbH, (enter address and contact data here)