

New low-pressure sensor from Marquardt

Higher Resource Efficiency and Safety for Washing Machines

- Third generation of Marquardt low-pressure sensor helps save water
- Low pressure sensor can be used in other household appliances
- Modular platform approach for customer-specific adaptations and fast development cycles

Press contact:

Ulrich Schumacher
Head of Corporate Communications
and Marketing / Public Affairs
+49 7424 / 99-1151
ulrich.schumacher@marquardt.com

Marquardt Management SE
Schloss-Str. 16
78604 Rietheim-Weilheim
Germany

Germany, Rietheim-Weilheim, March 2023 – Water shortage and increased energy prices have led to even greater environmental and resource awareness among consumers: Many consumers are increasingly looking for energy-saving household appliances with efficiency class A, as demonstrated, for example, by the sustainability index of the market research institute GfK. Marquardt supports the development towards more sustainability with numerous innovations: For example, the mechatronics specialist has now developed a low-pressure sensor for reduced fresh water consumption in washing machines.

Sensor provides exact measured values

The low-pressure sensor enables precise measurement of the level in the washing drum and thus prevents under- or overdosing of water. Based on inductive technologies, the sensor provides reliable readings even with small amounts of liquid. The measurements are checked for plausibility by an integrated sensor self-check function before being processed further by the washing machine. In addition to improved energy efficiency, the sensor thus also ensures safety and prevents, for example, the water tank from overflowing or the machine from heating up with too little water.

Compact and versatile

The third generation of the Marquardt low-pressure sensor is suitable for a wide range of applications: Thanks to its compact size,

it can be used wherever accurate pressure measurement is required, such as in dishwashers or coffee machines.

Marquardt adapts its products to the individual needs of its customers. Thanks to a modular technology platform, customer-specific requirements can also be effectively taken into account while ensuring a rapid time-to-market.

For more information on the Marquardt low-pressure sensor, see:
<https://www.marquardt.com/us/low-pressure-sensor>

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Press Photos:



Marquardt-Press-Niederdruck-Sensor-1.jpg: The Marquardt low-pressure sensor enables precise measurement of the fill level in the laundry drum.



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Marquardt-Press-Niederdruck-Sensor-2.jpg: The Marquardt low-pressure sensor is individually adaptable and versatile.

About Marquardt

Marquardt, a family-run company founded in 1925 and based in Rietheim-Weilheim, Germany, is one of the world's leading manufacturers of electromechanical and electronic switches and switching systems. The products of the mechatronics expert are used by many well-known customers in the automotive industry and include operating components, vehicle access, driver authorization systems and battery management systems. The company's systems are also used in household appliances, industrial applications and power tools. Marquardt Group employs approximately 10,200 members of staff worldwide at 21 locations in four continents. The company generated 1.3 billion euros sales revenue in the fiscal year 2021. Each year, Marquardt invests around ten percent of its revenues in research & development.

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