



DIGMESA
- THE
LIQUID
FLOW
SENSING
SOLUTION



WE MEASURE ANYTHING THAT FLOWS

Digmesa flow sensors are used around the world by renowned customers – for metering foodstuffs and beverages, for making measurements in industrial, chemical, medical and laboratory technologies, as well as in the semiconductor and high-tech sectors.

No matter what the medium or application: Digmesa has an optimal solution to any problem that may be encountered in the domain of measuring small or very small quantities.

For example, imagine the task of providing beer to thousands of thirsty spectators during a match break in a huge stadium. Or there's the problem of ensuring that coffee is brewed with consistent quality in coffee machines used at home or by professionals. Digmesa flow sensors also have successful industrial applications, including control of sensitive cooling circuits used in laser cutting machines, metered usage of cleaning chemicals, metered supply of chlorine in swimming pools and monitoring of filtering systems.

Digmesa flow sensors can be used to monitor complete flow rate processes to ensure that a liquid is actually flowing – even under the toughest conditions. Examples include aggressive media such as acids and alkalis used in hospitals to disinfect surgical instruments.

Digmesa's highly specialised measuring devices employing either laser or ultrasonic technology are ideally suited for use in any field in which great purity, contactless processing and very short response times are imperative, such as in the semiconductor and pharmaceutical industries.



More than 25 years ago, company founder Heinz Plüss set about to build a measuring device for simple metering of water in coffee machines. Extensive research and development resulted in the first FH Flowmeter. Today, Digma products are famous around the world for their unique quality. And Heinz Plüss is now working with the next generation to ensure that market leader Digma continues to be distinguished by maximum precision, innovative product development and a strong emphasis on customer proximity.

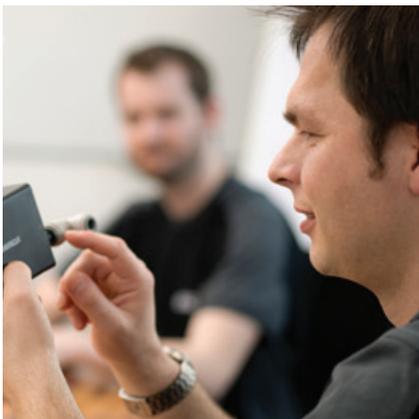


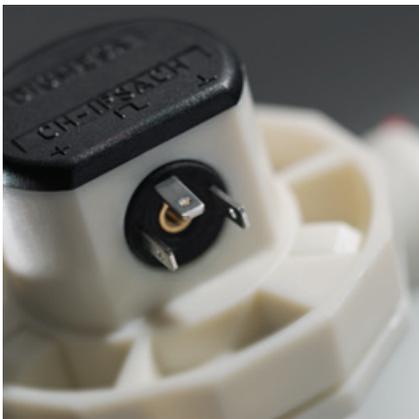
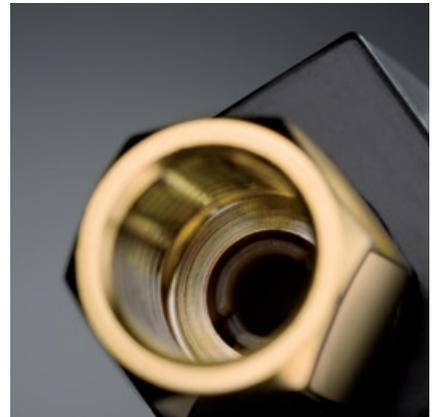
CONSISTENCY THROUGH CONTINUITY, CUSTOMER PROXIMITY, PRICE AND PERFORMANCE

Digmesa pursues a consistent policy of optimising quality and enhancing its products. The company also focuses on continuous research into new measurement techniques and technological implementations. Based on an inimitable combination of persistence and openness to new ideas, Digmesa has gained a quality edge that drives the company's international success. Products from Digmesa stand for values such as precision, dependability, extremely low maintenance, longevity and cost-efficiency.

It is the market that directs technological development. This is why Digmesa pays close attention to what customers want and need. Specific requirements can be fulfilled on an individual basis by adapting existing products. Attentive and personalised contact with customers ensures prompt responses to changing demands.

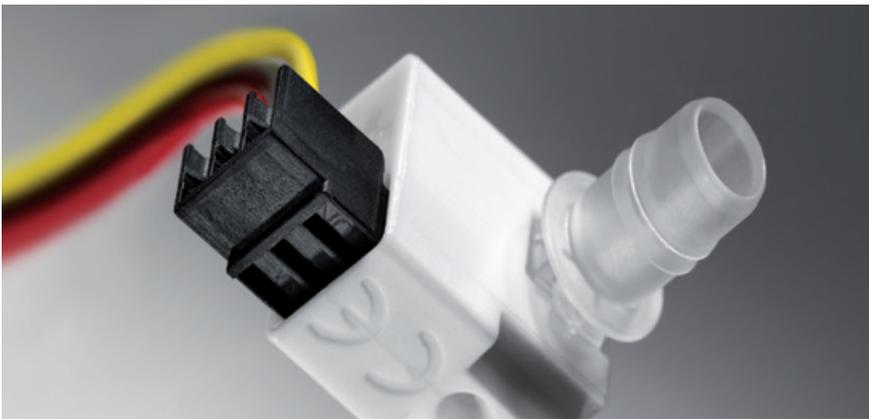
Nevertheless, despite its commitment to the highest levels of quality and dependability regarding its products and services, Digmesa has not lost sight of what is essential. The company's lean structures and state-of-the-art machinery guarantee an unbeatable price/performance ratio.

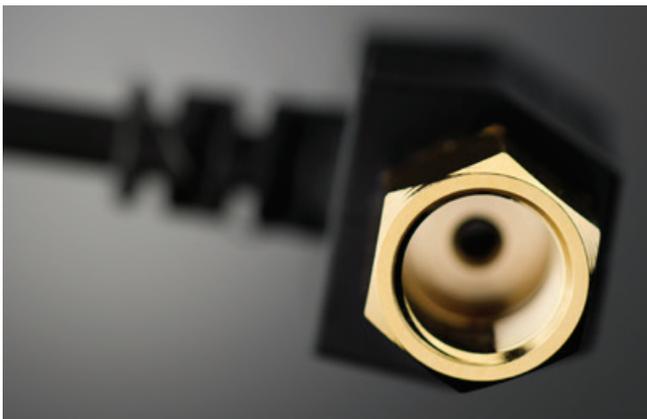
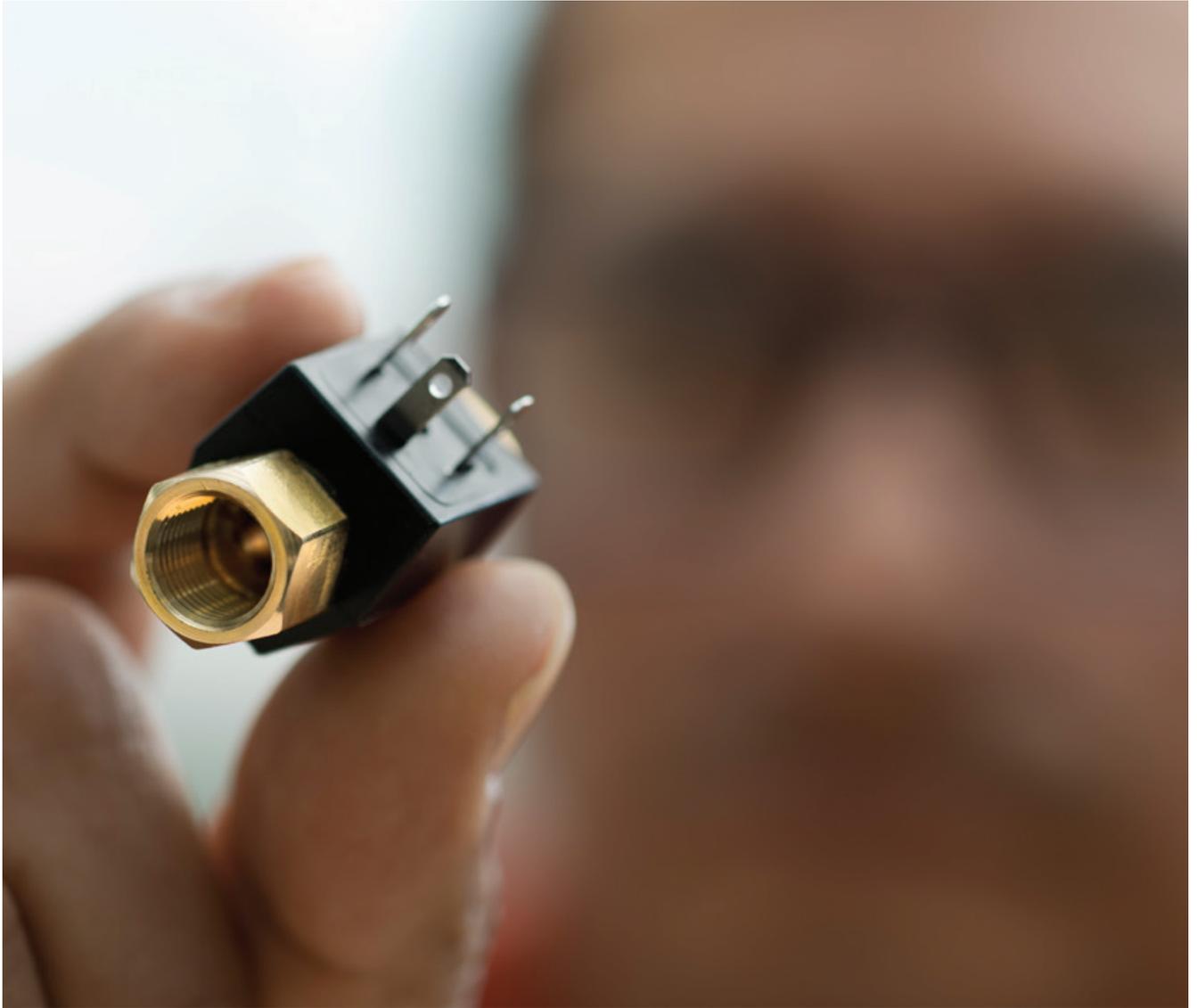






The Classicline Flow Sensors are based on impeller technology. This proven measurement technique is extremely dependable and precise. The pulse signal that is output is easy to evaluate and perfectly suited for use in metering. These devices can be employed in a very broad range of applications and allow flexible configuration to meet specific customer requirements. Thanks to their compact and robust design, the end products are both long-lasting and practically maintenance-free, offering an optimum price/performance ratio. It goes without saying that Digmesa also supplies the related electronic evaluation and metering control equipment.

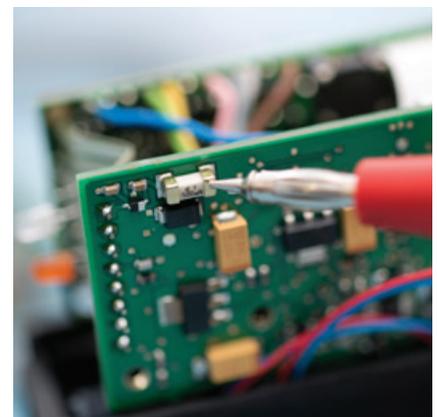




FORWARD- LOOKING TECHNOLOGIES THE NEW FLOW RATE MEASURING DEVICES

Today's advanced production processes used in the semiconductor, pharmaceutical, biotechnology and chemical industries are placing ever-higher demands on flow rate measuring devices. To avoid contaminating the medium, only materials with the highest possible purity may come into contact with the medium. This means that the measurement techniques should be contactless if at all possible. Another requirement is for the flow to be of maximum evenness and with no disruptions so as to prevent any deposits forming in the device. This also ensures minimum turbulence in the medium. The lack of parts subject to wear and tear in the device is another key demand in providing for maintenance-friendly continuous operation.

Digma emphasizes future-oriented thinking and proactively works to meet changing market demands. Its smart partnerships with renowned research institutions enable Digma to keep pace with the rapid growth in new high-tech markets and even to pioneer key trends, developing innovative solutions to fulfil the highly complex requirements for measuring devices of the next generation. For instance, extensive development projects were undertaken to meet the special demands in the semiconductor and pharmaceutical industries, resulting in two new measuring devices. The Ultrasonic Flow Sensor developed by Digma takes advantage of an innovative further development of the proven transit time method. The Laser Flow Sensor is based on an entirely new, contactless measurement technique that was researched and implemented in co-operation with the company's partners.



LASER TECHNOLOGY AND ULTRASONIC HIGH-TECH FLOW SENSORS FOR APPLICATIONS WITHOUT LIMITATIONS

Based on long-standing close cooperation with renowned research institutions, Digmesa has developed extremely advanced new flow sensors that meet these stringent requirements. Two very different technologies are used to make sure that perfect measurement results are obtained in different measurement ranges: For very small quantities, an entirely new measurement technique based on laser technology was developed, while for larger quantities, an ultrasonic technique is used.

Both techniques are contactless, both provide an even flow and both have lightning fast response times to immediately indicate even minute changes in the flow rate. These innovative devices combine to cover a very large range of applications.



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