

# IZMAG™

Reliable, hygienic, expandable and thus future-proof.

Its strengths	The GEA Diessel solution: an optimum standard	Individual system solutions
Hygiene	<ul style="list-style-type: none"> <li>made entirely of stainless steel</li> <li>aseptic process connection as per DIN 11864</li> </ul>	
Features	<ul style="list-style-type: none"> <li>rotatable graphics display</li> <li>water-protected touch keys</li> <li>freely selectable process connections</li> <li>maintenance-free design</li> <li>Bluetooth interface</li> <li>vacuum-tight liner</li> </ul>	<ul style="list-style-type: none"> <li>start input for filling level control</li> <li>remote display with special operator functions (e.g. start/ stop) and applications (e.g. filling level control, regulator function)</li> <li>connection for a voucher or log printer</li> <li>temperature measurement</li> </ul>
Quality assurance	<ul style="list-style-type: none"> <li>continuous internal monitoring of functions and the measurement chain</li> <li>plain text messages</li> <li>digital status output</li> <li>internal calibration function</li> </ul>	<ul style="list-style-type: none"> <li>OIML certificate for use in equipment subject to weights and measures approval (MID approval procedure)</li> <li>generation of a test certificate as a QM record</li> <li>setting data can be archived on a PC</li> </ul>
Performance	<ul style="list-style-type: none"> <li>all liquids with a minimum conductivity &gt;5 µS/cm</li> <li>bidirectional flow measurement</li> <li>flow range 5 l/h to 1,000 m³/h</li> <li>3 digital outputs for volume pulses and status signal</li> <li>analogue signal for flow rate</li> <li>digital signal input for zero setting or measurement suppression (CIP)</li> </ul>	<ul style="list-style-type: none"> <li>storage of metering process data</li> <li>manual or automatic data transmission via GSM/GPRS</li> <li>automatic shut-off calculation for high filling level accuracy</li> </ul>
User-friendliness	<ul style="list-style-type: none"> <li>operator instructions in plain text</li> <li>automatic selection of measurement range</li> <li>no special tools required for parameter setting</li> </ul>	<ul style="list-style-type: none"> <li>texts in local languages</li> <li>wireless data exchange with a PC/laptop</li> <li>date/time display</li> <li>simple remote display allowing main display to be set to zero</li> </ul>

Please visit us on the internet to find details of current models and their technical data.



## Electromagnetic flow metering on the highest level – IZMAG™, an optimum standard:

- device available in all-in-one or separated versions
- power supply 12 V/24 V DC or 100–240 V AC
- integrated graphics display for measured values
- display rotatable by 360° in two axes, with illuminated background
- 3 touch keys for risk-free parameter setting in the field
- calibration switch visible externally
- 3 digital outputs for volume pulses and status signal
- digital signal input for zero setting, interruption of measurement (CIP) or start
- flow signal output 0/4–20 mA, corresponding to a flow of 0–100 %
- Bluetooth interface for wireless data and status interrogation at commissioning and for servicing purposes
- space required for installation compatible with previous models

## Metering with a new precision: the IZMAG™

Convincing in its design, its user-friendliness and its hygienic properties





## Quality is worth while – Metering means added value for your business

Recipe control, risk minimisation, enhanced utilisation of resources – these are just a few of the many factors that go to make up quality. In sensitive manufacturing processes such as those in the foodstuff, pharmaceutical and biotech industries, accurate and reliable measurement data are particularly vital.

The new IZMAG™ fulfils these requirements at the highest level. It is a reliable electromagnetic flow meter, functional in design and made of stainless steel. The standard version measures bidirectional flows of conductive liquids volumetrically. It owes the reliability of its measured values to a continuous internal calibration function. In addition, the standard model is Bluetooth enabled and is suitable for metering tasks that are subject to weights and measures approval.

The flow meter can easily be positioned precisely where it is needed in the process equipment confi-



guration. This is because IZMAG™ is available either in an all-in-one version or with separated signal transmitter and electronics box, and with an illuminated display that can be rotated through 360°.

Installation and commissioning require only a minimum amount of effort, saving time and expense. And the same applies to the acquisition itself: for IZMAG™ is manufactured in Germany at an extraordinarily fair price. Made in Germany with German engineering – GEA Diessel continues to uphold a long and well-proven tradition.

Automation for every taste – flexibility and control to take account of consumer trends

Short reaction times in responding to consumer trends and efficient manufacturing processes are important competitive propositions on the market. Flexibility can be a major success factor. With this in mind, GEA Diessel – in close consultation with users and in collaboration with engineers – develops variable and expandable flow meters for customer-orientated system solutions: for example the new IZMAG™ generation. This represents an optimum standard offering optional extras to provide individual support for automation projects.

The quantity preselection function, for example, allows the filling of containers of various sizes to be controlled by external signals. Temperature measurement contributes to quality assurance. And the OIML certificate and weights and measures approved volumetric metering guarantee reliable quality management. Track-and-trace processes can be realised if desired by means of data storage or automatic data transfer via GSM or GPRS. In order to optimise the workflow, IZMAG™ can be expanded using HART or Profibus, and thus integrated into networks.

## Uncompromisingly functional design as optimum standard

