

**Contactless.**  
**Digital.**  
**Innovative.**



- | A de facto standard
- | 100 % safe data transmission
- | Reduction of operating costs

# The Memosens principle.

## Simple. Waterproof. Cost-efficient.

pH, ORP, conductivity and oxygen – Memosens sensors are available for these parameters. What's special about Memosens? The measuring signals are digitalized and transferred inductively i.e. via a non-contact connection. That's how easy it is to cause a radical improvement in measuring point reliability and availability. Memosens features complete galvanic isolation and is fully waterproof and resistant to environmental influences. Other innovations seem pretty old by comparison. Memosens – the new industry standard.

The mechanically safe, non-contact connection between the sensor and the cable enables the technology to function safely, even under water. As all sensor-related data are stored directly in the sensor head, it is possible to perform predictive maintenance. This has been proven to reduce maintenance costs significantly and to increase sensor operating time. At the same time, process safety is increased and system downtime reduced to a minimum. And as if that wasn't enough, Memosens saves hard cash when it comes to capital costs.

Thanks to the de facto Memosens standard, customers can now purchase Memosens-compatible components from liquid analysis suppliers working independently of each other. After all, all devices based on the Memosens protocol „speak the same language“. Quality and compatibility are guaranteed by the Memosens seal of approval. And it doesn't matter who you purchase the sensor or transmitter from. All Memosens sensors and devices from the manufacturers involved are compatible with each other.

- | Non-contact, digital measured value transmission
- | EMC safety guaranteed
- | Easy calibration in a laboratory
- | Top-quality data management
- | No more incorrect measured values
- | Memory included

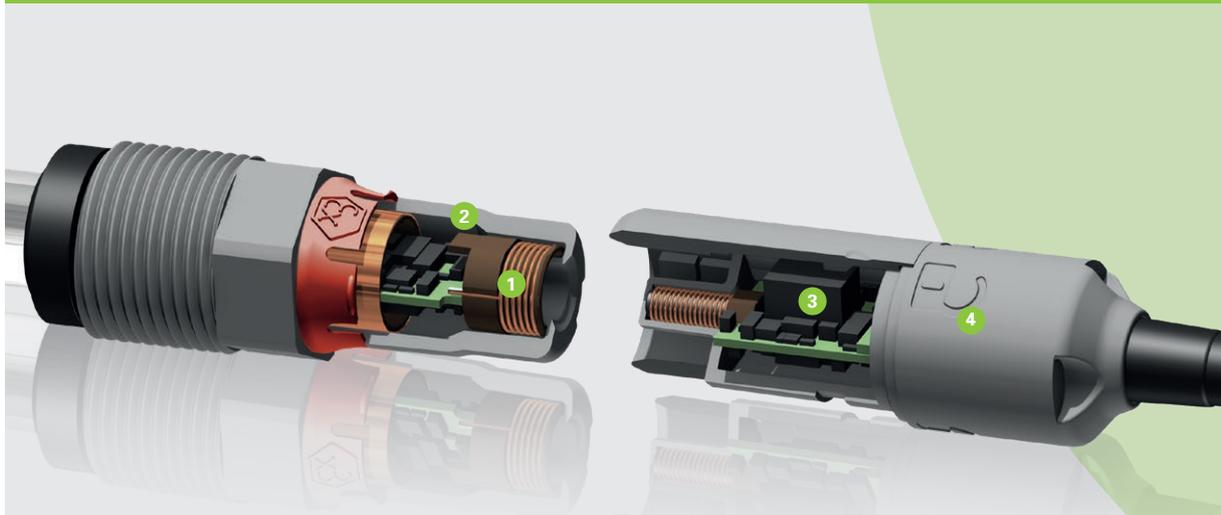
### Facts

more on [www.memosens.de](http://www.memosens.de)



- 1 Hygienic applications
- 2 Wastewater treatment plant
- 3 Chemical industry
- 4 Automotive

# ENS



- 1 The inductive connection supplies power to the sensor plug-in head and also enables bi-directional signal transmission between the sensor plug-in head and the cable coupling.
- 2 The hermetically sealed sensor plug-in head is overpressure safe and submersible. This means that the sensor does not experience any leakage or measured value distortion resulting from moisture, corrosion or salt bridges.
- 3 The integrated memory documents the complete life cycle (total operating hours, operating hours under extreme process conditions, calibration history etc.) of the sensor. This makes predictive maintenance possible.
- 4 The patented bayonet lock ensures a safe connection between the plug-in head and the cable. If a connection is missing, this is detected and displayed in the transmitter.

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