



Easy and fast installation

Reduced maintenance

Enhanced process reliability



ISM® – Easy installation and maintenance
for process analytical systems

With ISM[®] into the future of process analytics

The innovative METTLER TOLEDO «Intelligent Sensor Management[®]», concept makes it decidedly easier to operate process analytical systems from initial installation to maintenance right through to sensor exchange. ISM technology enables you to lower maintenance costs and reduces the risk of sensor failure.

Quick and easy installation thanks to «Plug and Measure».

Operation errors at the transmitter are largely excluded, since all relevant status and configuration data is automatically transferred from the sensor to the transmitter during start-up.

- Sensors are immediately recognized during installation.
- Sensor-specific data is stored in the transmitter.
- Operational availability of a measuring point within seconds.

Pre-calibration of pH electrodes and oxygen sensors in the lab.

Quick and easy replacement of sensors directly at the measurement point, using precalibrated units.

- Sensors can be precalibrated in the laboratory.
- Calibration at point of measurement is no longer necessary.
- The sensor can be replaced and is operational within seconds, saving time as well as increasing operational availability.

Ideal tool for sensor documentation.

Full transparency of all the recorded data in the electronic datasheet enables close sensor management.

- ISM-enabled measuring systems recognize manufacturer sensor, type, serial number, order number and date of last sensor calibration.
- Previous calibration datasets available for trend analysis.





Optimized maintenance with sensor wear indicator and adaptive calibration timer.

New diagnostic tools allow you to schedule sensor replacement and thus optimize operating efficiency and reduce maintenance costs. This in turn provides improved process reliability and avoids unscheduled operational interruptions.

- Measurement data are continuously monitored in order to obtain information on sensor wear.
- Operating hours are recorded for each individual sensor.
- The adaptive calibration timer takes the process conditions into account and reduces the present calibration interval accordingly.

ISM® – an open, non-proprietary data management system.

Interoperability and availability of a wide choice of sensors for all types of applications guaranteed.

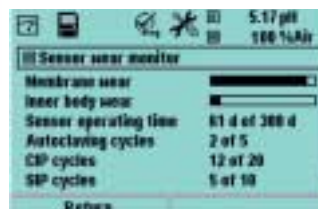
Non-ISM-compatible units can be employed integrally with ISM-compatible instruments.



- METTLER TOLEDO ISM sensors are compatible with the Communications Standard IEEE 1451.4.
- ISM sensors with VarioPin connector can be connected to transmitters of other types and brands without problem, and vice-versa.
- Measurement of the main parameter and temperature continue to function without any restrictions.



Quick and easy installation with «Plug and Measure».



Optimized maintenance with sensor wear monitor.



Fast troubleshooting with sensor network diagram.



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Product documentation

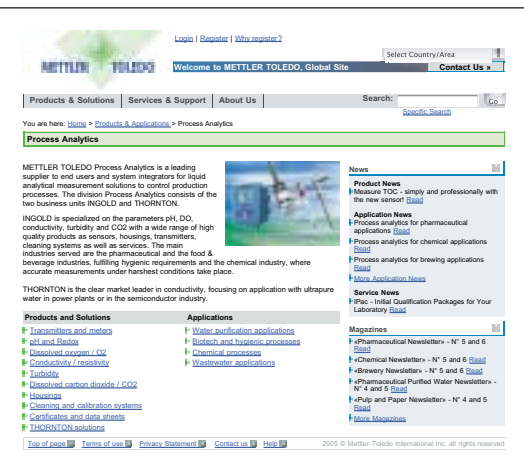
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