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iRO Data Logger



INGOLD
Leading Process Analytics

iRO Data Logger

- Comprehensive data monitoring
- For pH, oxygen, conductivity
- Remote operation
- For temporary installation

ISM

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Reliable Mobile Analytical Measurement Through Unique Diagnostics

Sales and service:



Management System certified according to ISO 9001 / ISO 14001

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METTLER TOLEDO

Mobile Data Monitoring for pH, Oxygen and Conductivity

iRO is a stand-alone device that requires no wiring for power supply or data acquisition and carries a rechargeable battery. What makes iRO stand out from the crowd is its ability to record not only measuring data, but also sophisticated sensor diagnostics, plus its unique analysis software. This leads to reliable measurement, enabling better process control.

Temporary data logging is required in many applications for process optimization, quality assurance or troubleshooting purposes. iRO (intelligent remote operation) combines a number of technologies to provide a unique data collection solution that offers exceptional ease of use and versatile measurement analysis.

Best traceability of the measurement system
Thanks to Intelligent Sensor Management (ISM) technology, not only the measurement data but also sensor diagnostics, such as remaining sensor life and time until next maintenance, are logged.

Versatile analysis of data
iRO Manager software provides data analysis and graph functions. Additionally, the software allows the export of data to CSV format for further processing.

Convenient configuration and data readout
Remote operation for configuration and data readout ensures convenient use of iRO. The Bluetooth interface together with the iRO Manager software offer error-free operation. Communication over Bluetooth can also be established through walls and ceilings.

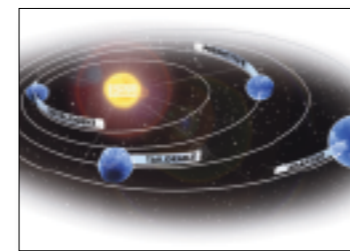
Fast start up
Quick installation and commissioning is provided through auto-recog-

nition of ISM sensors and the easy to use iRO Manager software.

For pH, oxygen and conductivity
iRO is compatible with ISM pH, oxygen (amperometric) and conductivity (4-electrode) sensors. Up to two sensors can be connected simultaneously.

Hazardous area use
A version with ATEX zone 1 approval is available.

- Benefits**
- Exceptional ease of use with ISM, Bluetooth and iRO Manager software.
 - Sensor diagnostics make measurements more reliable.
 - Versatile data analysis thanks to export to CSV format.



iRO Manager
Free software for easy configuration of iRO, data analysis and graphing. iRO Manager also provides at-a-glance evaluation of sensor condition, allowing pre-emptive maintenance before measurements are affected.

ISM
Intelligent Sensor Management technology provides higher measurement accuracy, simplifies sensor handling, enhances reliability and reduces sensor life-cycle costs. Plug and Measure feature means a new sensor can be installed without the need for any configuration.

iSense Asset Suite
iSense software for ISM sensors offers verification and calibration of ISM sensors away from hazardous or sensitive measurement points. iSense stores all sensor related activities, such as calibration or maintenance, for excellent traceability.

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Points of Use



Installations with Limited Access
An obvious use for iRO is where access to the measuring point is difficult or limited. Bluetooth interface allows remote operation for configuration and data readout over a distance of up to 25 meters (82 ft).



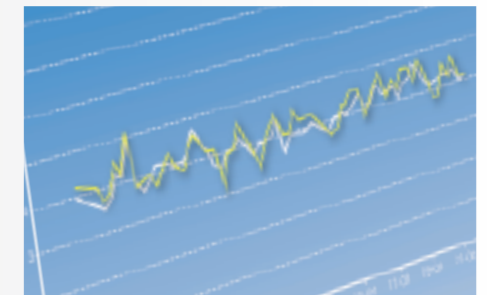
Temporary Installation
iRO is the ideal solution for temporary monitoring and documentation of measuring data, for example in industrial wastewater applications.



Pilot Plants
In pilot plants and during scale up, the position of a measuring point has often to be changed. The iRO data logger provides high flexibility during setup and data read out to find the best measurement position.



Process Development
During process development, in-line measurement of parameters such as pH, oxygen or conductivity is often vital. The iRO data logger offers quick, easy and error-free installation. The export of data to a CSV file allows further analysis.



Comparative Measurements
iRO is an important tool for solving quality issues. A redundant measurement system for comparison or verification purposes is easily setup. Thanks to ISM, measuring data and the condition of the sensor are logged, leading to improved traceability.