

PRESS RELEASE

A New Age of Dissolved Oxygen Measurement

Hamilton presents the latest improvements of the VisiFerm™ and VisiTrace™



(Bonaduz, 8/23/2022) - Building on a foundation of continuous innovation, Hamilton Company has released the next generation of VisiFerm™ and VisiTrace™ optical dissolved oxygen sensors.

“The basis of Hamilton innovation is reflected in our proven VisiFerm sensor series, which we have continuously improved since its market launch 15 years ago,” explains Christian Adank, Product Manager at Hamilton Company.

He adds “The meticulous control of dissolved oxygen still requires frequent calibrations to avoid deviations in GMP/FDA requirements. As part of the new sensor launch, significant breakthroughs have been made in the sensor and cap design that drastically reduce the required calibration frequency and improve sensor electronic lifetime. The new generation of VisiFerm™ RS485 sensors features new electronics, 80% reduction in calibration frequency, 50% better robustness and supply security for the next decade.”

VisiFerm™ was designed for the biopharma market to improve ease of use. The VisiFerm™ is autoclave and CIP/SIP capable and the intelligent sensor design allows for calibration to take place in a laboratory without the need for a transmitter. The



optical measurement principle negates the need for sensitive membranes and liquid electrolytes, reducing the amount of maintenance required while still providing high precision and robust measurement response times.

The VisiTrace™, built on superior aspects of the VisiFerm™, is designed specifically to measure trace levels of oxygen, making it ideal for brewery applications.

Character (incl. Space):1,526

About HAMILTON Process Analytics:

Hamilton Process Analytics, a division of Hamilton Bonaduz AG, pioneers open sensing solutions to enhance the understanding and control of critical process parameters, including pH, ORP, CO₂, conductivity, and dissolved oxygen as well as total and viable cell density. First introduced in 1989, Hamilton sensors are found worldwide in applications ranging from biopharma to power generation to brewing. Hamilton continues to lead the industry with new innovations such as intelligent sensor management via Arc wireless technology, and single-use solutions to significantly reduce risk of contamination. Each Hamilton offering is supported by a full portfolio of accessories including armatures, transmitters, cables, buffers, and standards.

Hamilton Bonaduz AG is the European counterpart of Hamilton Company, founded by Clark Hamilton in 1960 and headquartered in Reno, Nevada, USA. With more than 2,500 employees across global manufacturing facilities and subsidiaries, Hamilton is a leader in numerous fields including automated liquid handling robotics, automated sample management, medical ventilators, laboratory products, and process analytics.



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