

OTT HYDROMET LAUNCHES ALL-IN-ONE GROUNDWATER LEVEL LOGGER FOR BASIC WATER MEASUREMENT

The new OTT ecoLog 1000 is a self-sufficient data logger for measuring groundwater and surface waters.



The OTT ecoLog 1000 from OTT HydroMet.

Responding to growing needs for continuous time series data with reasonably priced equipment, leading global hydrometric provider OTT HydroMet has released the NEW OTT ecoLog 1000. The modern groundwater and surface logger measures both water level and temperature as well as valuable metadata.

The OTT HydroMet team has leveraged decades of global expertise to innovate this next-generation ecoLog instrument, while also incorporating customer feedback. “We heard your frustrations about excessive, expensive trips to the measurement site”, said Peter Schaeffeler, OTT HydroMet’s Data Management Product Manager. “We’ve made the OTT ecoLog 1000 reliable with intelligent power management and a long-lasting battery, so it can remain in the field without worry.” It also includes integrated mobile communication to eliminate data gaps and provide reliable and accurate data. This near-real-time data keeps you better informed before field trips, so each future visit is faster and more efficient.

The ecoLog 1000 is designed to be durable and long-lasting with corrosion resistance to saline water, due to the complete sensor probe being made of 904L stainless steel, and has a ceramic pressure measuring cell for increased robustness. The all-in-one system with sensor, logger, and cellular modem also helps reduce the number of components needed. The instrument is simple to operate with just a smartphone, with no additional tools for maintenance, and allows you to exchange the communication unit or sensor on site. Each of these features helps minimize the total cost of ownership.

“We’ve worked hard to greatly reduce the time and costs needed to set up and learn about the equipment, so customers can focus on their data,” explained Peter Schaeffeler.

You can access data through either HTTP / HTTPS or FTP – the ecoLog 1000 sends data to up to 4 servers, with automatic retries or fallback if transmissions fail. It allows for remote data access from anywhere via mobile IP communication. Network management capabilities add a new level of remote 2-way communication for easy access to an individual device or the whole measurement network.

Simple local operation is provided by an integrated Bluetooth Low Energy (BLE) communication to pair with your mobile device and it supports iOS, Android, and Windows 10 operating systems. The logger can be paired with simple apps and configuration software, such as OTT HydroMet's LinkComm program, and allows for usage across multiple platforms. You can also utilize a bundled solution with a data hosting service like Hydromet Cloud, a program from OTT HydroMet which gives you access to web-based data visualization and alarm management.

The logger is ideal for government agencies, groundwater resource managers, scientists, technicians, and more for both short-term and long-term continuous monitoring. It is suited for in-well and in-pipe solutions, and any urban to remote locations with a mobile signal. It can be used in fresh, brackish, or saltwater. With it, you can monitor water level changes to interpret impacts of climate change or drought or examine water availability and water use over time.

ABOUT OTT HYDROMET

The globally operating OTT Hydromet limited liability company can look back on a more than 140-year history and has its headquarters in Kempten, Germany. In Europe, it is the leading provider of complete hydrometric systems for performing hydrological and meteorological measurements. Its subsidiaries and agencies in more than 90 countries supply efficient solutions in hydrometrics, meteorology, and environmental technology. With the recent additions of Kipp and Zonen (2017), G. Lufft GmbH (2016) and Sutron Corporation (2015) the OTT Hydromet Group offers the broadest portfolio of hydrologic and meteorological solutions. With its trend-setting measurement and communication technology in the fields of water quality, water quantity, meteorology, data management, and telemetry, the company contributes sustainably to protecting the environment.

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