

PRESS RELEASE

Direct and digital: the OTT netDL Data Logger integrates hydrological measurement systems with process control engineering

Kempton/Allgäu, Germany, December 2016. OTT Hydromet has extended the OTT netDL IP Data Logger with special functions for industrial communication. These enable seamless integration of hydrological measurement systems in process control engineering. To do this, the Hydrological Logger transfers its data to the operation unit, which then takes it over and feeds it into the control system, thus creating a continuous measurement chain – direct, digital and prompt.

Integration is required in water management or industrial monitoring tasks, as in the management of weirs, valves or pumps – or wherever control systems are deployed. With the OTT netDL IP Data Logger, hydrological measurement stations can be incorporated as part of the whole system.

The Data Logger and Station Manager for hydro-meteorological measurement stations uses standard interfaces for the industry and manages the connection to all current control systems and PLC controllers. That is how it enables the direct data transfer to the Simatic S7 via TCP/IP (Ethernet), the connection to various fieldbuses (Profinet, Profibus and Modbus) and to OPC clients from SCADA systems.

One advantage of digital transfer, as opposed to analogue signal transfer, is that only a single connection is required for the transmission of numerous parameters. All the measurement

values of a device – such as all the parameters that the OTT Pluvio2 precipitation gauge records – are taken over directly. Users also benefit from more precise data, as the continuous digital signal transmission from sensor to centre ensures clear, undistorted measurement values even with large measurement ranges.

Characters including spaces: 1.774

When used in publication, specimen copy requested

For further information:

OTT Hydromet GmbH
Ludwigstraße 16
87437 Kempten
www.ott.com

About OTT Hydromet GmbH:

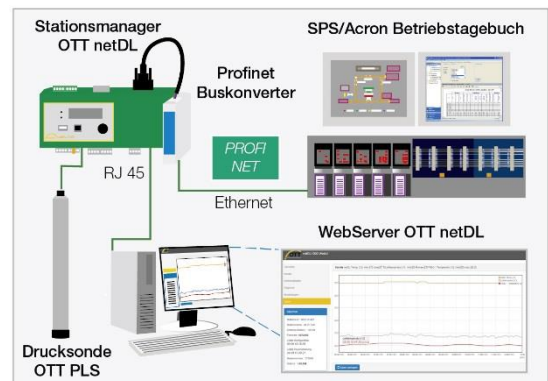
The globally operating OTT Hydromet GmbH can look back on a more than 140-year history and has its headquarters in Kempten in Germany. In Europe, it is the leading provider of complete hydrometric systems for performing hydrological and meteorological tasks. Its subsidiaries and agencies in more than 90 countries all over the world supply efficient solutions in hydrometrics, meteorology, and environmental technology.

Through the fusion of three independent companies (OTT Hydromet, Hydrolab and Adcon Telemetry) in 2002 and 2011, as well as the expansion with the independent companies Sutron and Lufft in 2015/16, the OTT Hydromet Group has the expertise of a company growing internationally. 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.

Picture captions:

Picture 1:

Diagram of the connection of water level sensor technology to the control system, using the Lübeck municipal works as an example.



Picture 2:

The safe management of large quantities of data is no problem with the IP-enabled OTT netDL 500/1000 Data Loggers. They can be flexibly deployed as they have high memory capacity, diverse transmission options and standardised interfaces.



Picture 3:

The OTT netDL 1000 can be connected to an Ethernet LAN or a DSL router through an integrated Ethernet interface.



Source:

OTT Hydromet GmbH, publication free of charge, naming the source