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Long-Term Flow Metering with integrated Data Transmission

The latest portable measurement system made by NIVUS GmbH operates reliably with minimum maintenance and provides an intuitive operating concept

The mobile NivuFlow Mobile 750 flowmeter was specially developed for wastewater applications in part filled canals as well as in part filled and full pipes. A range of new pipe and wedge sensors featuring compact dimensions is ideal for the use in smaller flumes. The patented cross correlation technology determines the currently prevailing flow profile in real time providing high accurate results. Measurement accuracy can be significantly increased by the parallel use of up to three flow velocity sensors. Accessories such as the NIVUS Pipe Profiler allow for reliable measurement results in part filled pipes starting at diameters of 150 mm even at very low flow levels

The system can be operated for a very long time thanks to energy-efficient algorithms, performance-optimised sensors and the high capacity of the rechargeable battery. Given a five-minute measurement and recording cycle, the measurement can be continued for up to 250 days without the need to replace the battery. The battery can be replaced by the user very easily.

A LTE modem with automatic transmission of readings and unit data via e-mail, FTP or to the NIVUS web portal is optionally available for the transmitter. Therefore, maintenance visits can be reduced to a minimum or can be planned in advance to save resources.

The high protection class of IP68 for sensors and transmitter permit to use the system even under extreme conditions. Protection class IP67 is guaranteed even with the cover open.



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Parameters can be set and the transmitter can be operated wireless on site by using smartphone, tablet or notebook. This enables ergonomic and safe operation from within a protected area such as a vehicle even in poor weather conditions, direct sunlight or when accessibility is limited.

Typical applications for the NivuFlow Mobile 750 are the determination of infiltration water, the verification of throttle equipment, precipitation discharge measurement or temporary measurements in wastewater networks in general.

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The NIVUS group is a leading developer, manufacturer and supplier of measurement instruments for water industry. For more than 50 years now the company has been pointing the way ahead in measurement technology, continuously developing new products and practice-oriented solutions. Based in Eppingen, Germany, NIVUS operate nine international subsidiaries and co-operate with more than 40 distributors all over the world.

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