

“LDM” flowmeter, partially filled Flow measurement

Ultrasonic flow measurement of transit time difference between wastewater, raw sewage and rainwater flows

High-precision acquisition of flow values:

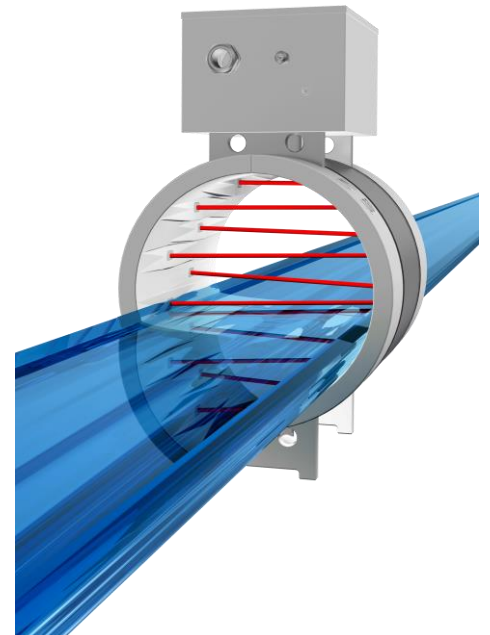
The LDM is a calibrated flowmeter for measuring the flow of wastewater in open channels or canals. 10 flow velocity measurement sections distributed over the entire cross-section provide precise flow values when the sensor is partially or completely filled. Level measurement is integrated into the device housing.

A versatile system:

The contamination-resistant system is suitable for water, rainwater, wastewater, raw sewage as well as biologically and chemically contaminated wastewater, and for media with variable conductivity. This powerful meter measures even the lowest filling levels with great reliability.

Quick and easy installation:

The LDM is available without flanges and is clamped between two pipes using bolts/threaded rods. This versatile measuring device does not need to be calibrated on site, as calibration is carried out entirely at the factory.





Advantages

- Contamination-resistant system
- Highly reliable measurement of even the smallest fill levels
- Robust construction
- Highly resistant to abrasion and chemicals
- No on-site calibration required, as calibration is already carried out at the factory

Brief description of the partially filled LDM

The LDM is a calibrated flowmeter for measuring the flow of wastewater in open channels or in the open air. It features 10 ultrasonic transit time difference ultrasonic transit time measurement sections, and provides accurate flow measurements in partially or completely filled pipes. The system is suitable for water, wastewater and raw sewage, and reliably measures even the smallest fill levels. Level measurement is integrated into the inner layer of the device. The system is manufactured without flanges and is clamped between two pipes with bolts/threaded rods.

Ideal for

- Water
- Rainwater
- Wastewater
- Raw wastewater
- Biologically and chemically contaminated wastewater
- Extraction and process water measurements in mines and tunnels

Features

- Can be used in partially filled pipes in the water and wastewater industry
- Can be supplied for LDM measuring pipe nominal diameters from DN 150 to DN 1200
- Highly resistant to abrasion and chemicals
- Pas de dégradation due à la variabilité de la conductivité électrique du milieu
- Measures with DN 150 nominal diameter from 26.1 mm filling height (for other values, see Table 2 "Minimum levels and flow rates Q" on page 17)
- Does not need to be calibrated on site, as calibration is carried out entirely at the factory
- Robust construction
- IP 66 (IP 67 in progress)
- ATEX Zone 1
- Power supply 24 V DC

Sales and Service/Ventes et Service



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Flowmeter placed in the intermediate flange, for partially filled pipes, ultrasonic measurement using the transit time difference method, for water and wastewater applications.

