

UDM201

Ultrasonic Flowmeter

The UDM201 is a clamp-on ultrasonic flowmeter for non-invasive measurements on filled pipelines.

The device is ideally suited for both permanent measurement and temporary measurements thanks to simple installation. A wide range of applications is available from a number of fluids stored as standard.

If required, other fluids can also be stored.

Signal outputs in analog and digital versions make it possible to integrate the device into your process control system. Furthermore, it is possible to communicate with the device via the Modbus-RTU interface. Optionally, the device can be equipped with high-temperature sensors and a temperature measurement card to measure the amount of heat.



SPECIFICATIONS

PERFORMANCE SPECIFICATIONS

Flowrange	±0,01 m/s bis ±12,00 m/s
Accuracy	±0,5 % of measured value
Pipe size	25 mm to 5000 mm
Pipe material	Steel, stainless steel, cast iron, ductile cast iron, copper, PVC, aluminium, asbestos, and fiberglass/epoxy, micellaneous
Fluid	Water, salt water, kerosene, gasoline, heating oil, crude oil, propane blutan, diesel oil, caster oil, peanut oil, gasoline 90 & 93, alcohol, water

FUNCTION SPECIFICATIONS

Outputs	Relay output for pulses (max. 1Hz) OCT pulse (0-9999 Hz) Analog output 0/4-20 mA (max. 750Ω) Frequenzausgang
Power supply	10-36 VDC / 90 - 245 VAC
Communication	RS232 & RS485 Modbus
Display	20x2 lattic alphanumeric, back lit LCD
Temperature	UDM201: -10°C ~ +50°C Sensoren: -40°C ~ +80°C
Humidity	Up to 99 % RH, non condensing

PHYSICAL SPECIFICATIONS

Transmitter	UDM101: IP65 Sensoren: IP68
Transducer cabel	9 m (bis 300 m possible)
Weight	UDM201: 2,15 kg Sensoren: 0,9 kg
Dimensions WxHxT	UDM201: 200,0 x 198,0 x 98,0 mm Sensoren: 32 x 56 x 25 mm