

USS 80

Ultrasonic-based Flow Meter



Ultrasonic sensor for flow measurement.

Required accessory: Measuring transducer GICON. The ultrasonic sensor determines the filling level, GICON evaluates the measured values to calculate the flow.

Professional support, installation and commissioning on site by GIMAT.

Repeatability	$\pm 0.2\%$ or ± 1 mm (the higher value applies)
Resolution	0.25 mm
Ambient temperature	$-20 \sim 70$ °C
Protection class	IP 67

Product code 765 010

- Professional installation by GIMAT
- Narrow cone angle
- Teachable

Method

The sensor generates ultrasonic pulses which are reflected by surfaces. This echo is detected when it reaches the sensor. The distance of the object is calculated from the travel time of the ultrasonic signal. This measurement principle is suitable for most materials including liquids, as long as the sensor is installed in a right angle to the surface of the liquid.

Applications

Water
Wastewater
Industrial filling

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