



Flow measurement, more flexible than ever

Clamp-on ultrasonic sensor detects wall thickness

- Non-contact measurement: easy retrofitting without process interruption or intervention in the pipe
- High measurement accuracy thanks to integrated wall thickness measurement
- Quick and inexpensive mounting thanks to a simple latching mechanism



IP69



ifm – close to you!

Nominal width	Outer diameter [mm]	Measuring range		Order no.	
		[l/min]	[gpm]	[l/min]	[l/min]+ [gpm]
1½" – 2" (DN40/DN50)	44...64	20...1,000	5.2...264.18	SUC300	SUC301

Flow measurement without process interruption

The SUC-type clamp-on flow meter enables the quick and uncomplicated measurement of medium flow in rigid pipes made of steel, stainless steel or plastics such as PVC.

Since the installation of this ultrasonic sensor does not require any modification or cutting of the pipe itself, it can be mounted without interrupting the process. The SUC automatically detects the pipe wall thickness, eliminating the need for time-consuming manual input and reducing potential sources of error. This ensures reliable and reproducible measurement results right from the start.

Fast and easy installation

Installation could not be easier, with the process just involving positioning the sensor, snapping the counterpart into place and tightening the screws. Thanks to the standardised M12 connector, integration into the data network is quick and error-free.

The SUC also supports users during commissioning: an intelligent setup wizard guides them step by step through the few settings required, getting the sensor up and running in no time.

Ideal for retrofits and service calls

Offering high flexibility and fast, straightforward installation, the SUC is the ideal choice for retrofit applications. Even temporary applications, such as service calls or one-off measurements, can be realised quickly and easily. The same applies to applications requiring the highest standards of media purity and hygiene.

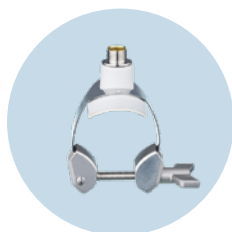
Technical data		
Wall thickness	[mm]	0.1...11.1
Suitable pipe materials:		Metal, rigid plastic
Output functions		IO-Link, analogue output 4...20 mA, pulse output, switching output, diagnostic output
Flow Accuracy water (in the measuring range) Repeatability		± (5.0 % MW + 0.5 % MEW) ± 0.2 % MEW
Temperature Measuring range Accuracy	[°C] [K]	-20...100 ± 5 (Q > 5 % MEW)
Protection rating		IP67, IP69

MW = Measuring range value

MEW = Measuring range end value

Q = volume flow

BEST FRIENDS



Clamp-on temperature probe
Non-invasive solution, suitable even for hygienic environments



IO-Link master
Field-compatible masters with PROFINET interface



Radar level sensor
Non-contact level measurement up to 10 metres



For further technical details, please visit:
ifm.com/fs/SUC300