



# Measuring flow rates without any obstacles

The SU Puresonic ultrasonic sensor

- Accurate flow measurement of conductive and non-conductive media
- Component-free stainless steel measuring pipe offers high media resistance and permanent ingress resistance
- Conclusions about the signal quality possible on the basis of the signal strength provided
- Sensor status always in view via the operating status LED



**ifm** – close to you!

Process connection	Measuring range		Order no. [l/min]		Order no. [l/min] + [gpm]	
	[l/min]	[gpm]	Water	Water, glycol, oil	Water	Water, glycol, oil
G½ (DN15)	0.5...65	0.13...17.17	<b>SU6020</b>	<b>SU6030</b>	<b>SU6021</b>	<b>SU6031</b>
G¾ (DN20)	0.5...75	0.13...19.81	<b>SU7020</b>	<b>SU7030</b>	<b>SU7021</b>	<b>SU7031</b>
G1 (DN25)	1...240	0.25...63.4	<b>SU8020</b>	<b>SU8030</b>	<b>SU8021</b>	<b>SU8031</b>
G1¼ (DN32)	1...275	0.25...72.64	<b>SU9020</b>	<b>SU9030</b>	<b>SU9021</b>	<b>SU9031</b>
G2 (DN50)	5...1000	1.32...264.18	<b>SU2020</b>	<b>SU2030</b>	<b>SU2021</b>	<b>SU2031</b>
½ NPT	0.5...65	0.13...17.17	-	-	<b>SU6621</b>	<b>SU6631</b>
¾ NPT	0.5...75	0.13...19.81	-	-	<b>SU7621</b>	<b>SU7631</b>
1 NPT	1...240	0.25...63.4	-	-	<b>SU8621</b>	<b>SU8631</b>
2 NPT	5...1000	1.32...264.18	-	-	<b>SU2621</b>	<b>SU2631</b>

### Ensuring process quality easily and permanently

The SU Puresonic ultrasonic sensor detects flows of conductive and non-conductive media with high precision. Water, glycol mixtures, coolants and oils are all detected with equal reliability.

### Robust measuring pipe without structures

The measuring pipe of the SU Puresonic is made of stainless steel and is free of measuring elements, seals and moving parts. This means that faults due to damage, leaks or blockages are excluded from the outset, as are design-related pressure drops.

### Condition monitoring made easy

Equipped with IO-Link and a highly visible status LED, the SU Puresonic has everything you need to continuously monitor process quality. In this way, the status of the signal quality can be quickly read both at the IT level and in the field. If it is decreasing, this can be an indication of increased particle density or deposits on the inner wall of the pipe.

Technical data		
Pressure rating	[bar]	< 100
Output functions		IO-Link, analogue output 4...20 mA, pulse output, switching output, diagnostic output
Flow Accuracy (in the measuring range) SU2, SU8, SU9 SU6, SU7 Repeatability Minimum conductivity	[µS]	±(1.0 % MW + 0.5 % MEW) ±(2.0 % MW + 0.5 % MEW) ±0.2 % MEW from 0
Temperature Measuring range Accuracy	[°C] [K]	-20...100 ±2.5
Protection rating		IP67

MW = Measuring range value  
MEW = Measuring range end value

## BEST FRIENDS



### SV vortex flow meter

Also detects deionised water and cooling water



### LDL conductivity sensor

Measures the conductivity of a medium, such as ultrapure water



### IO-Link master

Field-compatible masters with Profinet interface



For further technical details, please visit: [ifm.com/fs/SU6020](http://ifm.com/fs/SU6020)