



Measuring flow rates without any obstacles

The SU Puresonic ultrasonic sensor

- Accurate flow measurement of water and ultrapure water
- 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]	[gpm]	only [l/min]	[l/min] + [gpm]
G 1/2" (DN15)	0.5...65	0.13...17.17	SU6020	SU6021
G 3/4" (DN20)	0.5...75	0.13...19.81	SU7020	SU7021
G 1" (DN25)	1...240	0.25...63.4	SU8020	SU8021
G 1 1/4" (DN32)	1...275	0.25...72.64	SU9020	SU9021
G 2" (DN50)	5...1000	1.32...264.18	SU2020	SU2021
Clamp 1" (DIN32676 series C)	1...240	0.25...63.4	SUH200	SUH201
Clamp 2" (DIN32676 series C)	5...1000	1.32...264.18	SUH400	SUH401
1/2" NPT	0.5...65	0.13...17.17	-	SU6621
3/4" NPT	0.5...75	0.13...19.81	-	SU7621
1" NPT	1...240	0.25...63.4	-	SU8621
2" NPT	5...1000	1.32...264.18	-	SU2621

Ensuring process quality easily and permanently

The SU Puresonic detects flows with high precision. Thanks to ultrasound technology, this also applies to ultrapure water as produced in reverse osmosis plants. In combination with the LDL101 conductivity sensor, reliable quality control can be established in the filtration process.

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.

You can find further information about the SU Puresonic as well as customer experience reports on our website.

Common technical data		
Pressure rating	[bar]	< 100
Output functions		IO-Link, analogue output 4...20 mA, pulse output, switching output, diagnostic output
Flow		
Accuracy	[%]	± (1.0 MW + 0.5 MEW)
SU8, SU9, SU2, SUH2, SUH4: SU6, SU7:		± (2.0 MW + 0.5 MEW)
Repeatability	[%]	± 0.2
Medium temperature	[°C]	± 0.2
Minimum conductivity	[µS]	from 0
Temperature		
Measuring range	[°C]	-20...100
Accuracy	[K]	± 2.5
Protection rating		IP69K

MW = Measuring range value
MEW = Measuring range end value

BEST FRIENDS



Vortex flow meter

Also detects deionised water and cooling water



Conductivity sensor

Measures the conductivity of a medium, such as ultrapure water



IO-Link masters

Field-compatible master with Profinet interface



For further technical details, please visit: ifm.com/fs/SU6020