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
G ½ " (DN15)	0.5...65	0.13...17.17	**SU6020**	**SU6030**	**SU6021**	**SU6031**
G ¾ " (DN20)	0.5...75	0.13...19.81	**SU7020**	**SU7030**	**SU7021**	**SU7031**
G 1 " (DN25)	1...240	0.25...63.4	**SU8020**	**SU8030**	**SU8021**	**SU8031**
G 1 ¼ " (DN32)	1...275	0.25...72.64	**SU9020**	**SU9030**	**SU9021**	**SU9031**
G 2 " (DN50)	5...1000	1.32...264.18	**SU2020**	**SU2030**	**SU2021**	**SU2031**
½ " NPT	0.5...65	0.13...17.17	-	-	**SU6621**	**SU6631**
¾ " NPT	0.5...75	0.13...19.81	-	-	**SU7621**	**SU7631**
1 " NPT	1...240	0.25...63.4	-	-	**SU8621**	**SU8631**
2 " NPT	5...1000	1.32...264.18	-	-	**SU2621**	**SU2631**
			Water, edible oils			
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**	

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, oils and edible 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.

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

Technical data		
Pressure rating	[bar]	< 100
Output functions		IO-Link, analogue output 4...20 mA, pulse output, switching output, diagnostic output
Flow Accuracy (water) SU8, SU9, SU2, SUH2, SUH4: SU6, SU7: Repeatability Minimum conductivity	[%] [%] [µS]	± (1.0 MW + 0.5 MEW) ± (2.0 MW + 0.5 MEW) ± 0.2 from 0
Temperature Measuring range Accuracy	[°C] [K]	-20...100 ± 2.5
Protection rating		IP67, 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 masters with Profinet interface

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