Hygienic and accurate flow measurement

Ultrasonic sensor SU Puresonic Hygienic

- Measurement of ultrapure water, water-based media and food oils

- 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

- Clamp process connection for hygienic dead space-free adaptation

IP69K   **IO-Link**

ifm – close to you!

Clamp process connection [DIN 32676]	Measuring range		Order no. Clamp series A	Order no. Clamp series C	Order no. Clamp series C	Order no. Clamp series C
			Without display		With display	
	[l/min]	[gpm]	[l/min]+ [gpm]	[l/min]+ [gpm]	[l/min]+ [gpm]	[l/min]
½ "	0.5...65	0.13...17.17	**SUH120**	-	-	-
¾ "	0.5...75	0.13...19.81	**SUH820**	**SUH801**	-	-
1 "	1…240	0.26…63.4	**SUH220**	-	**SUH201**	**SUH200**
2 "	5…1000	1.32…264.18	**SUH420**	-	**SUH401**	**SUH400**
2.5 "	20…2400	5.2…634.0	**SUH520**	**SUH501**	-	-
3 "	25…3600	6.6…951.0	**SUH620**	**SUH601**	-	-
4 "	45…6000	11.8…1585.0	**SUH720**	**SUH701**	-	-

Ensuring process quality easily and permanently

The SU Puresonic Hygienic ultrasonic sensor detects flows of conductive and non-conductive media with high precision. Ultrapure water, water or food oils, such as sunflower or rapeseed oil, are reliably detected.

Robust measuring pipe without structures

The stainless steel measuring tube 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.

Hygienic adaptation

The clamp process connection offers a simple and reliable way to install or change the SU Puresonic Hygienic quickly and without tools. Dead spaces are avoided and cleaning and sterilisation (CIP/SIP) are facilitated, which increases the efficiency and reliability of processes.

Technical data		
Pressure rating	[bar]	16
Output functions		IO-Link, analogue output 4...20 mA, pulse output, switching output, diagnostic output
Flow Accuracy (in the measuring range) SUH1...SUH4, SUH8 SUH5...SUH7 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]	-40...120 ±2,5
Protection rating		IP67, IP69K

MW = Measuring range value
MEW = Measuring range end value

BEST FRIENDS

PI pressure sensor
Specifically for the food and beverage industry

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/SUH120