Conductivity sensor for clamp and hygienic pipe fittings

TOP PRODUCT

Analytical sensors

- **Solid tip prevents breakage**
- **Reduce inaccuracies associated with a time-based cleaning process**
- **Flexible process adjustments increase system efficiency**
- **Easily adapted to new recipes and media**
- **Loss-free digital transmission of measured values**

CIP/SIP

IP 67
IP 68
IP 69 K

IO-Link

3A

FDA

EHEDG

Applications

The sensors are used in cleaning processes (CIP) in the food industry. They detect the concentration of cleaning agents, check the rinsing water for residues and are used for product validation.

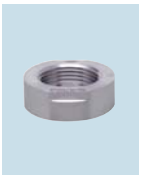
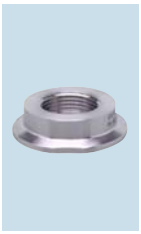
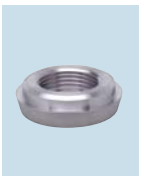
Potential

Precise, fast and reliable measurements during the process help to improve plant availability and optimise cleaning cycles. A reduced amount of cleaning agents, lower energy consumption during rinsing and lower water consumption result in considerable cost savings. In addition, the machine uptime is increased.

Stability

The solid tip design guarantees stability even if the sensor is exposed to increased stress.

Accessories

Type	Description	Order no.
Welding adapter		
	D60 – G 1 external thread Aseptoflex Vario with leakage port	**E30149**
	D60 – G 1 external thread Aseptoflex Vario	**E30150**
	D50 – G 1 external thread Aseptoflex Vario	**E30122**
	D50 – G 1 external thread Aseptoflex Vario with leakage port	**E30130**
	D38 – G 1 external thread Aseptoflex Vario with leakage port	**E30500**
	G 1 welding mandrel	**E30435**
Process adapters clamp and hygienic pipe fittings		
	Clamp – G 1 Aseptoflex Vario DN50 with leakage port	**E33309**
	Tri-clamp – G 1 Aseptoflex Vario 2" with leakage port	**E33209**
	Tri-clamp – G 1 Aseptoflex Vario 2"	**E33202**
	Tri-clamp – G 1 Aseptoflex Vario 1.5" with leakage port	**E33208**
	Tri-clamp – G 1 Aseptoflex Vario 1 – 1.5" with leakage port	**E33201**
	Hygienic pipe fitting – G 1 Aseptoflex Vario 1.5"	**E33212**
	Hygienic pipe fitting – G 1 Aseptoflex Vario 2"	**E33213**
	Hygienic pipe fitting – G 1 Aseptoflex Vario 1.25"	**E33211**
	Pipe fitting – G 1 Aseptoflex Vario DN33,7 Series B with leakage port	**E33304**
	Pipe fitting – G 1 Aseptoflex Vario DN40 with leakage port	**E33302**
	Clamp connection with notch – G 1 Aseptoflex Vario DN40 with leakage port	**E33308**

Process connection	Installation depth [mm]	Order no.
Application: version with long tip, installation in screwed socket connections		
G 1 Aseptoflex Vario	77	**LDL201**

Further technical data		
Operating voltage	[V DC]	18...30
Current consumption	[mA]	< 70
Measuring range conductivity	[µS/cm]	100...1000000
Measuring range medium temperature	[°C]	-25...100; (< 1 h: 150)
Pressure rating	[bar]	16
Conductivity accuracy		2 % MW ± 25 µS/cm
Conductivity repeatability		1 % MW ± 25 µS/cm
Materials		Stainless steel (1.4404 / 316L); PEEK; PEI; FKM

Accessories

Type	Description	Order no.
IO-Link		
	USB IO-Link master for parameter setting and analysis of units Supported communication protocols: IO-Link (4.8, 38.4 and 230 kbits/s)	**E30390**
	LR DEVICE (supplied on USB flash drive) Software for online and offline parameter setting of IO-Link sensors and actuators	**QA0011**
Connection technology		
	Socket, M12, 4 poles 5 m, grey, MPPE cable	**EVF001**
	Socket, M12, 4 poles 2 m, grey, MPPE cable	**EVF064**
	Socket, M12, 4 poles 5 m, grey, MPPE cable	**EVF004**
	Socket, M12, 4 poles 2 m, grey, MPPE cable	**EVF067**

Advantages of LDL at a glance:

Much shorter commissioning time
- No need for additional evaluation electronics
- Simple wiring using M12 connector

Robust and compact design
- The fully welded stainless steel housing prevents water ingress
- Tip made of solid material prevents breakage under high load

Attractive offer
- High availability and fast delivery times
- Flexible adapter concept reduces / simplifies warehousing