



Process sensors

The new versatility: conductivity measurement in any pipe size



Analytical sensors



Versions in the common
connection sizes G 1/2 and G 1

Efficient CIP monitoring even
in small pipes from DN25
upwards

- Easy installation and commissioning
- Loss-free digital transmission of measured values



EC 1935 /
2004



IP 67
IP 68
IP 69 K





For CIP monitoring on any scale

With different process connections in the common sizes G 1 and G 1/2, the conductivity sensors of the LDL2xx group offer the right solution for precise CIP monitoring for every pipe size from DN25 – without the need for costly pipe extensions or obstructions.

Easy installation thanks to their compact design

Thanks to the compact design and the integrated evaluation unit, the conductivity sensors can be flexibly positioned in the system pipework. Further hardware to be positioned downstream is not required. The low wiring complexity is further reduced by the standard M12 connection.



Type	Process connection	Insertion depth [mm]	Order no.
	G 1 Aseptoflex Vario	37	LDL200
	G 1 Aseptoflex Vario	77	LDL201
	G 1/2 sealing cone	24	LDL220
	G 1 sealing cone	31	LDL210

Common technical data

Operating voltage	[V DC]	18...30
Current consumption	[mA]	< 70
Measuring range conductivity	[µS/cm]	100...1,000,000
Measuring range medium temperature	[°C]	-25...100 (< 1h: 150)
Pressure rating	[bar]	16
Conductivity accuracy		2 % MW ± 25 µS/cm
Conductivity repeatability		1 % MW ± 25 µS/cm
Materials		stainless steel (316L/1.4404); PEEK; PEI; FKM

MW = value of the measuring range

Accessories

Description	Order no.
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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) **ZZ1060**

moneo|configure SA
Stand-alone licence, software for online and offline parameter setting of IO-Link devices including maintenance and support until the end of the following year **QMP010**

LDL200 / LDL201 welding adapters

G 1 – external thread Aseptoflex Vario, Ø 50 mm	E30122
G 1 – external thread Aseptoflex Vario with leakage port, Ø 50 mm	E30130
G 1 – welding mandrel	E30435

Accessories

Description	Order no.
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LDL200 Varivent

G 1 – external thread Aseptoflex Vario – Varivent type N, (DN40-150); Ø 68 mm **E33222**

G 1 – external thread Aseptoflex Vario – Varivent type N, (DN40-150); Ø 68 mm, cert. acc. to 3A & EHEDG **E33229**

G 1 – external thread Aseptoflex Vario – Varivent type F, (DN25); Ø 50 mm **E33221**

G 1 – external thread Aseptoflex Vario – Varivent type F, (DN25); Ø 50 mm, cert. acc. to 3A & EHEDG **E33228**

LDL201 clamp and pipe fittings

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**

Pipe fitting – G 1 Aseptoflex Vario 1.5" **E33212**

Pipe fitting – G 1 Aseptoflex Vario 2" **E33213**

Pipe fitting – G 1 Aseptoflex Vario 1.25" **E33211**

LDL210 welding adapters and Varivent

G 1 – Ø 50 mm **E30013**

G 1 – welding mandrel **E30435**

G 1 – Varivent type N, (DN40-150); Ø 68 mm **E33622**

LDL220 welding adapters

G 1/2 – Ø 30 mm for tanks **E43300**

G 1/2 – Ø 29 mm for pipes **E43301**

G 1/2 – Ø 30 mm for tanks, with leakage port **E43309**

G 1/2 – Ø 29 mm with leakage port, for pipes; pressure rating up to 16 bar **E43412**

G 1/2 – Ø 29 mm with leakage port, for pipes; pressure rating up to 50 bar **E43310**

G 1/2 – Ø 45 mm collar **E30056**

G 1/2 – Ø 35 mm ball **E30055**

G 1/2 – welding mandrel **E43314**

LDL220 mounting adapters and T-pieces

G 1/2 – Ø 29 mm with leakage port, for pipes; pressure rating up to 50 bar **E43310**

G 1/2 – Varivent type N 1.5, (DN40-150); Ø 68 mm **E43307**

G 1/2 – Varivent type F1, (DN25); Ø 50 mm **E43306**

G 1/2 – T-piece, DN50 **E43318**

G 1/2 – T-piece, DN40 **E43317**

G 1/2 – T-piece, DN25 **E43316**