



Continuous corrosion resistance

Conductivity sensor made of polypropylene

- Resistant to salt and other aggressive media
- Detects conductivity using the tried-and-tested inductive measuring principle
- Compact design facilitating installation where space is limited



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Measuring principle	Installation depth [mm]	Process connection	Connector type	Order no.
Inductive	81	G 1½ coupling nut	M12	LDL400

For filter installations, shipping applications and dosing stations

The LDL400 is the polypropylene version of ifm's proven LDL200 inductive conductivity sensor. Its material properties make it the ideal choice for applications in which metallic sensors tend to corrode: direct contact with salty ambient air or other aggressive, acidic or alkaline media, such as cleaning agents, poses no problem for the LDL400. With a diameter of eight millimetres, the measuring channel ensures optimum flow of the medium while minimising the risk of blockages.

Continuous, temperature-compensated measurement

The sensor continuously measures the conductivity of a medium in the range from 100 to 2 million µS/cm and outputs this as a temperature-compensated digital or analogue value. Furthermore, the percentage concentration of NaCl in ultrapure water can be accessed acyclically. This means that the LDL400 can be used universally in almost every conceivable water treatment application and, since it comes with an MR type approval certificate from the EU RO MR Group, the LDL400 can be easily integrated in ship automation applications.

Technical data		
Conductivity measuring range	[µS/cm]	100...2000000
Measurement accuracy	[%]	2 (MV) ± 25µS/cm
Temperature measuring range	[°C]	-25...100
NaCl concentration measuring range	[%]	0...25 (at 20...50 °C)
Medium temperature under UL conditions	[°C] [°C]	-25...80 -25...65
Pressure rating	[bar]	10 (at 20 °C) 6 (at 60 °C)
Ambient temperature	[°C]	-25...50
Output		IO-Link, 1x 4...20 mA
Protection rating		IP68 IP69K

MV = value of the measuring range

BEST FRIENDS

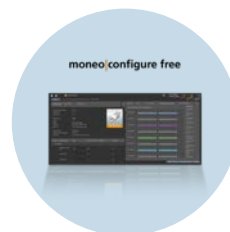
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Vortex flow meter
Monitors flow and temperature in water pipes



LW level sensor
80 GHz radar sensor for non-contact measurement



moneo|configure free
Software for parameter setting of the IO-Link infrastructure



For further technical details, please visit:
ifm.com/fs/LDL400