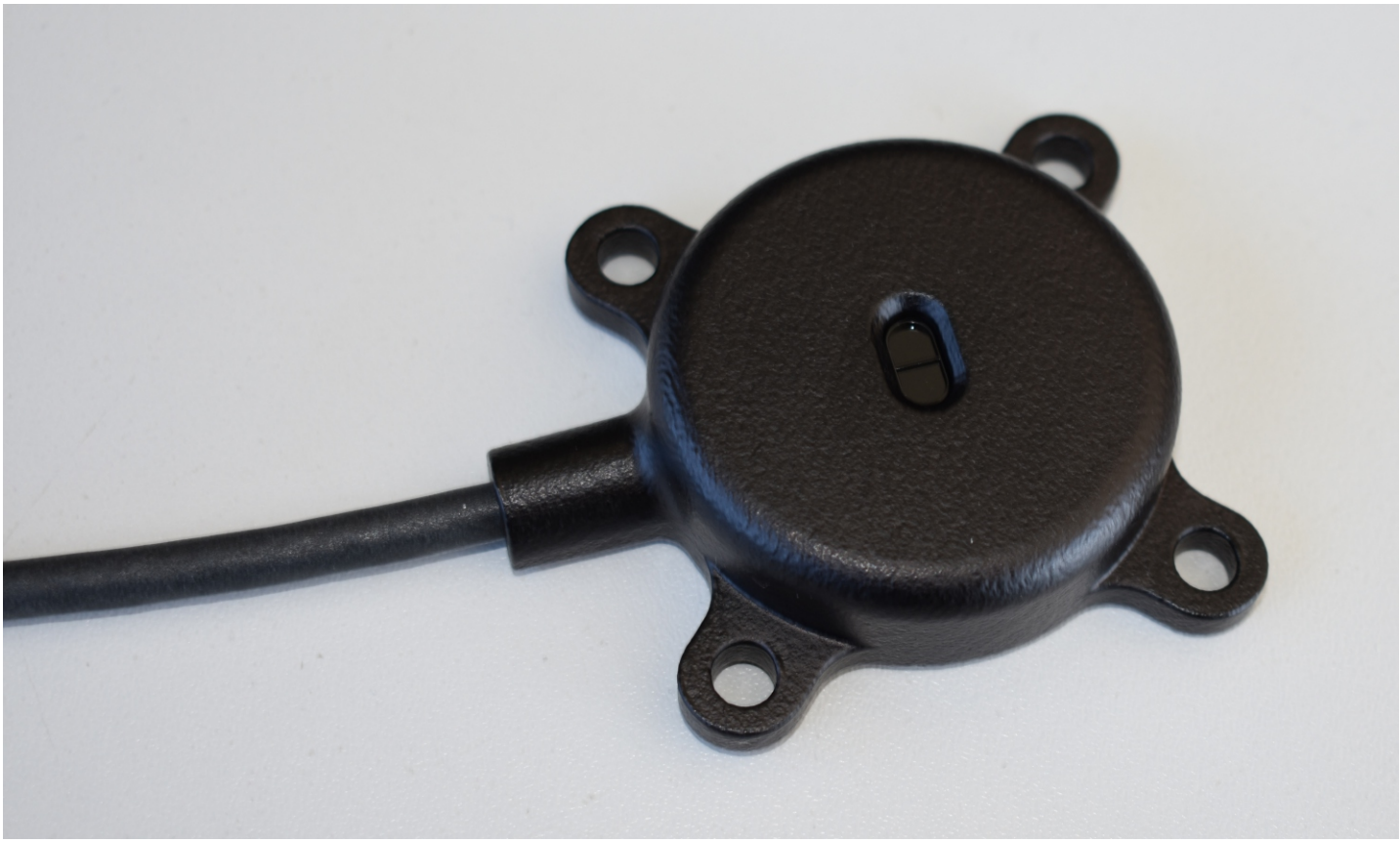
OptoDist L1

Optical Distance Sensor



The **OptoDist L1** is a close-up range ToF (time of flight) laser distance sensor with high sampling rate for industrial in-door applications.

Applications:

- Industrial distance measurement, distance range from 30 mm up to 1300 mm.
- Liquids level measurement e.g. in IBCs.
- Precise distance with mm accuracy.

Item No. 90.3000

OptoDist L1

OptoDist L1 applications & benefits:

- Industrial distance measurement, distance range from 30 mm up to 1300 mm.
- For indoor applications.
- Liquids level measurement e.g. in IBCs.
- Precise distance with mm accuracy.
- Update rate up to 50 Hz.
- Wide range power supply.
- Optical system: VCSEL vertical cavitiy surface emitting laser with TOF Time of Flight Sensor

Technical data:

Power supply:	9 to 28 V DC
Current consumption:	typ. 40 mA @ 12V DC < 500mW
Laser emitter, wavelength and safety:	940nm laser class 1,equal to IEC 60825-1:2014
Update rate:	50 Hz
Distance range:	30mm to 1300mm, depends on the application
System accuracy:	+/-2mm, depends on the application
Storage temperature:	−40°C to 85°C
Operating temperature:	−20°C to 70°C
Environmental protection:	IP53 (dust and splash water)
Output signal:	proportional to distance 4 to 20 mA and serial RS-232 115200 Baud

Subject to change without notice, errors and omissions excluded 03.06.2026

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