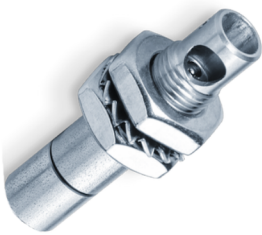


Optical Laser Sensor

SELAS4 / SELAS5

The optical laser sensor is used to detect rotational speeds using the reflex method. Depending on the application, a ROTEC zebra disk or zebra band is scanned. The target can be scanned from the front or via a deflecting mirror at a 90° angle.



Features

- Scanning of the target from the front or via a deflecting mirror at a 90° angle possible
- Fiber optic cable available with textile or metal sheathing
- Opt. with ROTEC zebra disk / zebra tape

Measurement Solution

- Optical Laser Sensor
- Laser Tachometer 3
- RASdelta Tachometer Board
- Zebra disk / zebra tape
- RAS Software

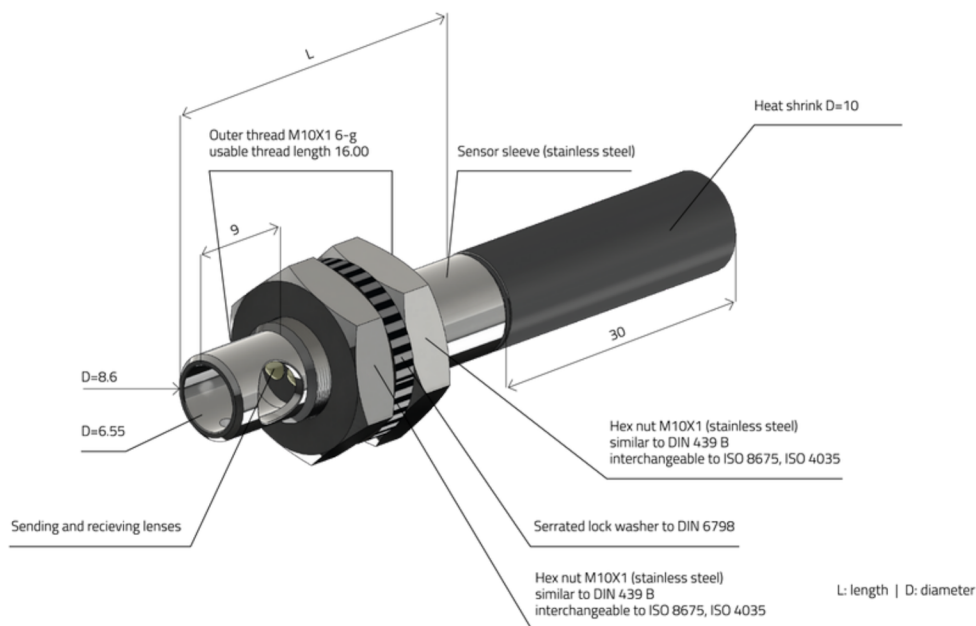


Fig. 1: Technical drawing - Optical Laser Sensor

Technical data	
Sensor head	single piece
Sensor surface	<ul style="list-style-type: none"> • laser beam face side or angled at 90° • via deflection mirror
Sensor length	45 mm
Sensor type	laser probe with optical fiber, requires downstream ROTEC Laser Tachometer
Sensor housing	<ul style="list-style-type: none"> • stainless steel • external thread M10x1 • standard thread length 15 mm
Pins	integrated optical fiber, textile or metal jacketed (5 m)
Maximum gearwheel frequency	65 kHz with downstream ROTEC Laser Tachometer
Requirements encoder wheel/shaft	applied with ROTEC Zebra discs and tapes
Sensing gap	<ul style="list-style-type: none"> • with typ. Line widths ≥ 1 mm: 30 to 80 mm • with min. line width of 0.25 mm: 20 mm
Temperature range	-10 °C bis +50 °C