

# PaintChecker Industrial

## Line LLP3.5 | Line LHP10.0



Thanks to their robust industrial housing, the new generation of OptiSense PaintChecker Industrial Line laser sensors can be operated even under harshest environmental conditions.

The sensor uses a diode laser as a light source – with all the advantages of semiconductor technology, such as long durability, high efficiency and absolute vibration resistance.

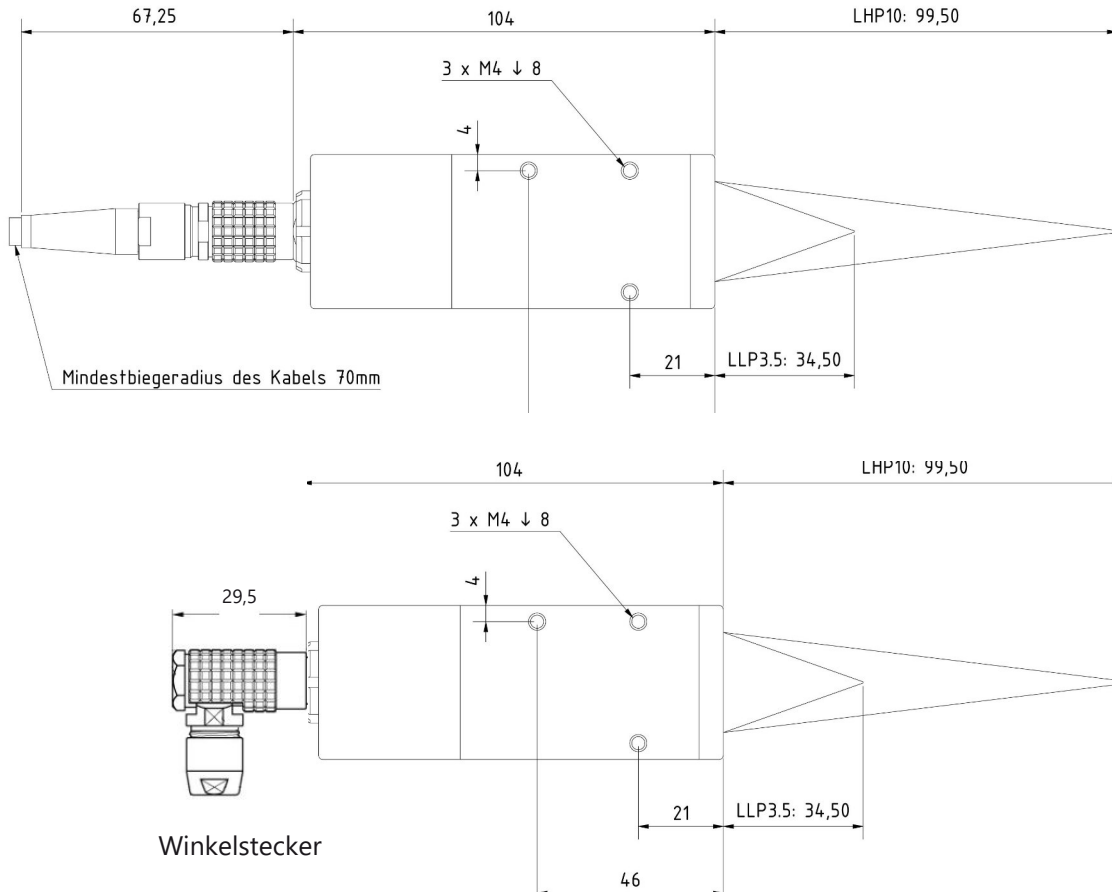
The optimized thermal design enables continuous operation at high measurement rates. Models equipped with LARES®-technology are eye-safe.

The PaintChecker Industrial Line sensor is also available as a high-power version.

### Technical Data | PaintChecker Industrial Line

Model	Line LLP3.5	Line LHP10.0	Model	Line LLP3.5	Line LHP10.0
Order number	S23-0700-015	S23-0700-016	Order number	S23-0700-015	S23-0700-016
Design	Laser, Mini Tower		Distance tolerance	± 2.5 mm	± 5 mm
Measurement range	1 - 1000 µm		Angular tolerance	± 15°	
Measurement rate	max. 2.5 Hz		Max. acceleration	5 g	
Measurement time	125 - 1000 ms		Size measuring field Ø	0.3 mm	0.5 mm
Diffusor	1°		Optische Leistung	650 mJ	1250 mJ
Duty Cycle	33 %		Wavelength	1470 nm	
Max. On-time	1s		Classification	1M	3R
Operating mode	pulsed operation		Eye safety	yes	no
Resolution	1 % of reading (typical)		Dimensions (L x W x H)	38 x 36 x 104 mm	
Accuracy	3 % of reading (typical)		Weight	330 g	
Measuring distance lens	35 mm	100 mm	IP Code	IP 50	

Dimensional Drawing | PaintChecker Industrial Line LLP3.5 | Line LHP10.0



Safety Redefined | LARES® - Technologie

OptiSense LARES® stands for LAsER Ra-diation Eye Safety. Thanks to our patented LARES® technology, operators, machinery and environment at the manufacturing and processing location are reliably protected.

All sensors with the LARES® logo are eye-safe. They can be used directly and

without any restrictions in almost all areas of application and can be operated without any technical protection measures. The designation of a laser protection supervisor, which is mandatory for laser radiation hazardous to eyes, and the briefing and instructing the operating personnel, which must be properly documented, can thus be omitted with.

Delivery Contents & Accessories

Delivery Contents

- Sensor

Accessories

- Cable with angle plug
- Calibration certificate



OptiSense is certified according to DIN EN ISO 9001:2015  
 WEEE-Reg.-No. DE 69647320

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