

# PaintChecker Industrial

## Angle LLP3.5 | Angle LHP10.0



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

The angle sensor is equipped with special optics with a folded beam path. This results in a particularly compact design that fits even in the tightest spaces. The tiny device is just 77 mm long and is also available as a high-power version.

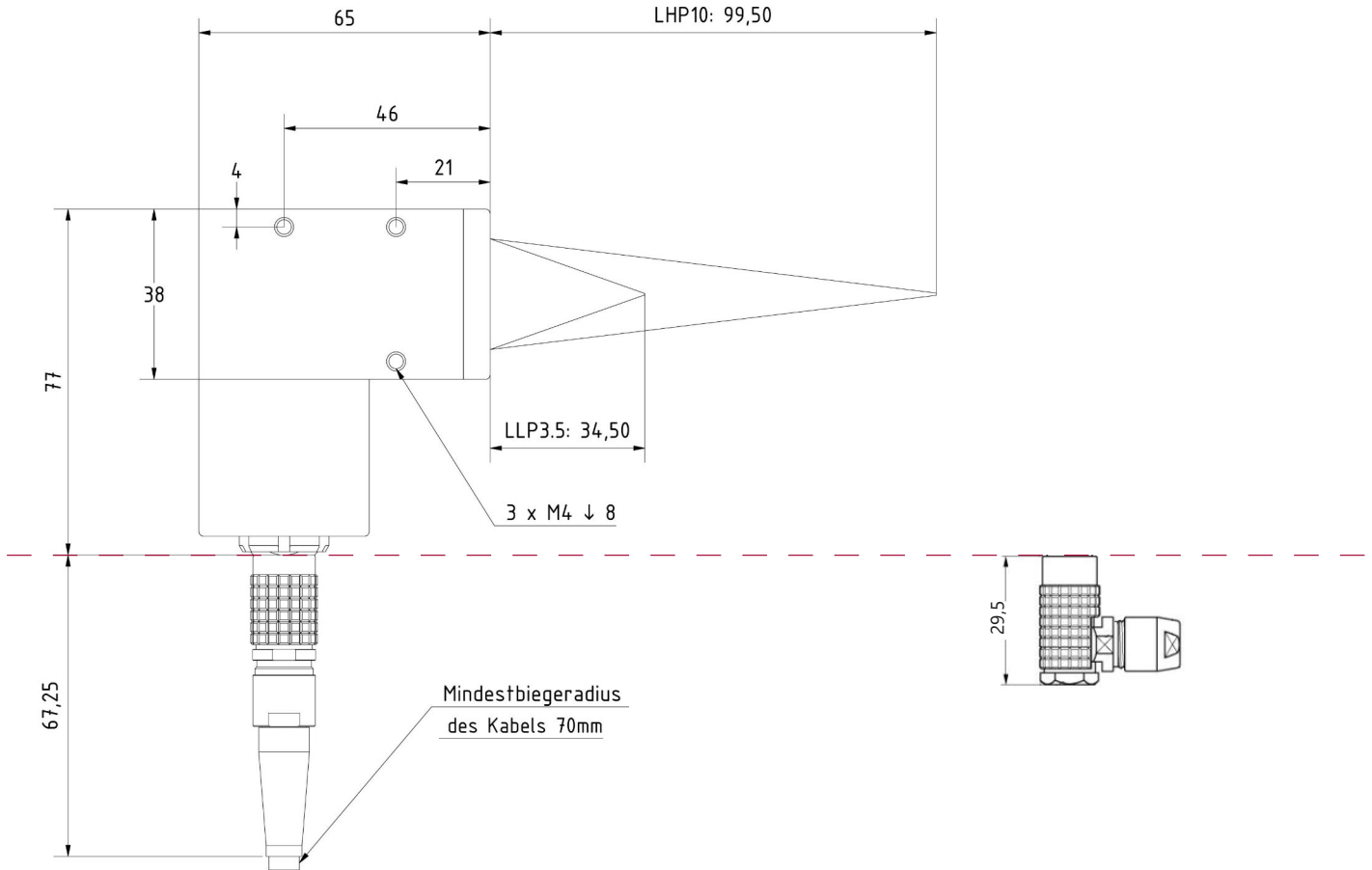
The optimized thermal design enables continuous operation at high measurement rates. Models equipped with LARES® technology are eye-safe.

### Technical Data | PaintChecker Industrial Angle

Model	Angle LLP3.5	Angle LHP10.0	Model	Angle LLP3.5	Angle LHP10.0
Order number	S23-0700-013	S23-0700-0014	Order number	S23-0700-013	S23-0700-0014
Design	Laser, Angle		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)	77 x 36 x 65 mm	
Accuracy	3 % of reading (typical)		Weight	330 g	
Measuring distance lens	35 mm	100 mm	IP Code	IP 50	

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

Zubehör Winkelstecker



Safety Redefined | LARES® - Technologie

Delivery Contents & Accessories

OptiSense LARES® stands for LAsEr Radiation 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**

- 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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