

# PaintChecker Industrial

## Angle LLP 3.5 | Angle LHP 10.0



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.

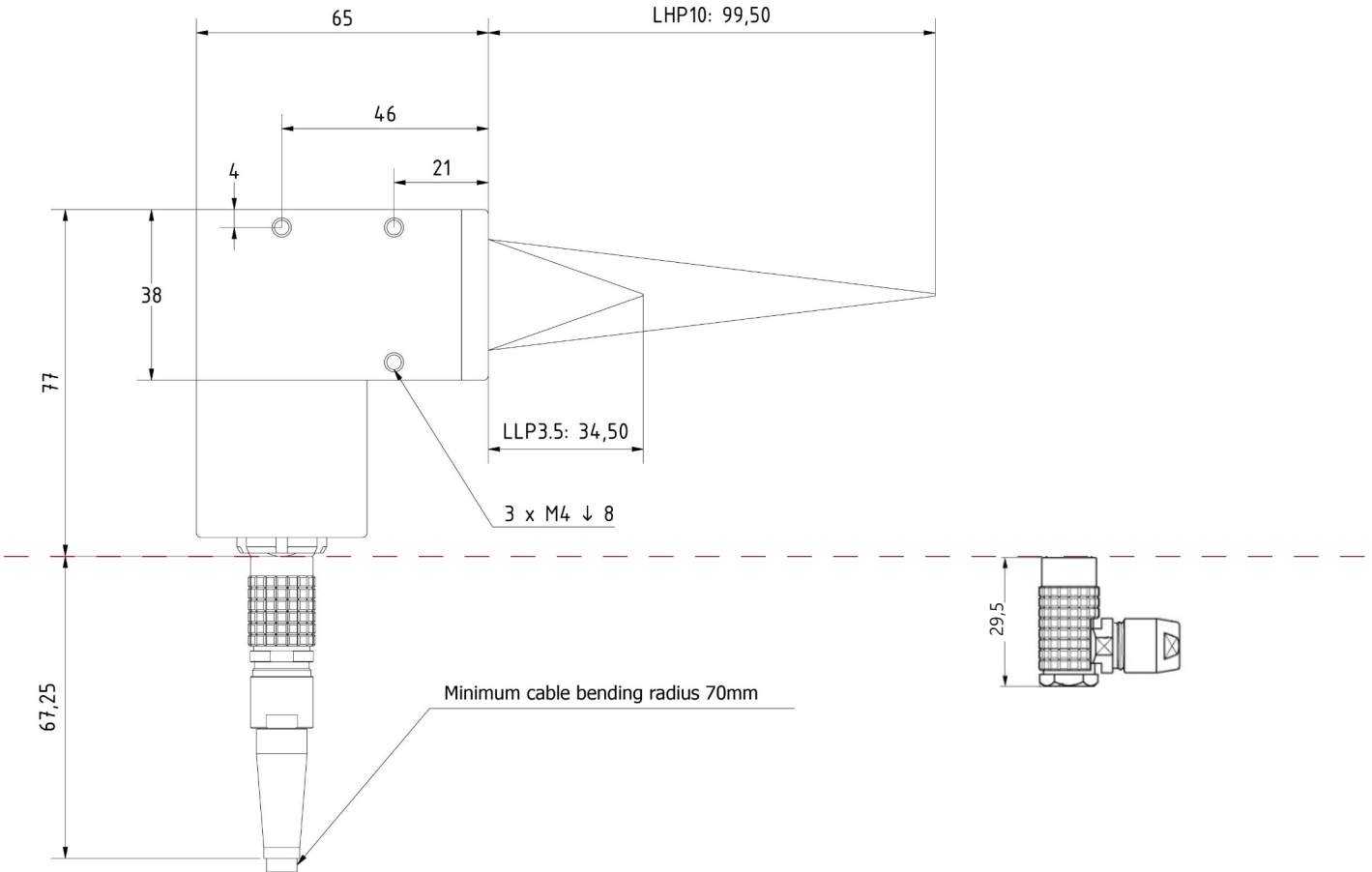
The optimized thermal design enables continuous operation at high measurement rates. Models equipped with LARES® technology are eye-safe.

### Technical Data | PaintChecker Industrial Angle

Model	Angle LLP 3.5	Angle LHP 10.0	Model	Angle LLP 3.5	Angle LHP 10.0
Order number	S23-0700-015	S23-0700-0016	Order number	S23-0700-015	S23-0700-0016
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; laser pulse: maximal 500ms		Size measuring field Ø	0.3 mm	0.5 mm
Diffusor	1°		Max. pulse energy	650 mJ	1250 mJ
Duty Cycle	33 %		Wavelength	1480 nm	
Max. On-time	1s		Classification	1	4
Operating mode	pulsed operation		Eye safety	yes	no
Resolution	1 % of reading (typical)		Dimensions (L x W x H)	87 x 28 x 41 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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