

# Datasheet



- field of application:  
 distance monitoring, height measurements, fill level measurements and winding goods scanning
- easy integration into your control system and configuration of analog output depending on your measuring range
- status display via LED



## Mechanical Data

Dimensions	106 x 62 x 45 mm
Laser Dot at 10 m	Ø8 mm
Material Housing Laser	aluminum visible, red
Weight	280 g
Measuring Range on Natural Surface	~0.05 ... 30 m
Accuracy	> ±0.3 mm
Repeatability	±1.5 mm
Resolution	0.1 mm
Operating temperature	-10°C ... +50°C
IP-Rating	IP65
Accessory	configuration software supports most common languages and can be requested at any time free of charge. further available on request

## Electrical Data

Power Supply	24 ... 30 VDC
Measuring Rate	<3 Hz
Error Due to Analog Output	< ±0.3 %
Connection	M12, 5 pins
Interfaces	-> 1 analog output 0.4 ... 20 mA, programmable



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## Simple and Economic

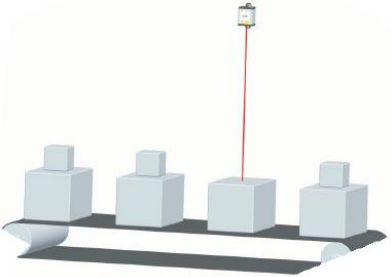



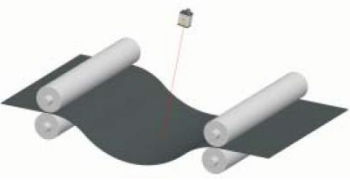
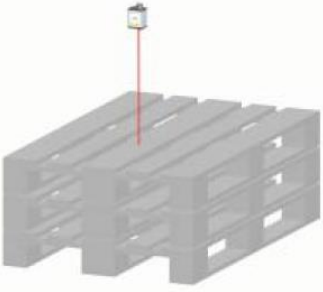
The **WDLX-S** is an optical maintenance-free measuring device which you can use to detect positions of inaccessible objects with natural surfaces and objects with very high surface temperatures – equally easy and exact are absolute measurements of distances up to 30 m with an accuracy of 3 mm, even in harsh surroundings.

Additionally, the device is placed inside a robust aluminum housing which is suitable for outdoor applications. Another advantage is its compact design for room-saving mounting.

Furthermore you can supply the device electrically through a standardized M12 5 pin sensor plug. A scalable analog output is available for the output of the measured values which ensures a cost-effective connection to any preferred controlling interface.



## Field of Application

		
<p><b>mounting control / object detection</b></p>	<p><b>distance measurements of cranes, overhead and floor conveyors</b></p>	<p><b>scanning of roll diameters</b></p>
		
<p><b>level measurements in silos</b></p>	<p><b>detection of material sag</b></p>	<p><b>stacked goods scanning</b></p>