

## Laser distance sensor RHL-350v1

The laser distance sensor RHL-350v1 is designed for Motorsport application. This solution is ideal for Ride Height measurement thanks to its automatic adjustment of exposure time on changing materials and to the high immunity to ambient light that ensures reliable measurements regardless of ambient conditions. The line beam shape ensures accurate measurement results on structured surfaces.



### TECHNICAL SPECIFICATIONS:

- ◆ Supply voltage: 12 - 28 VDC
- ◆ Output voltage: 0 - 5 VDC
- ◆ Measuring distance Sd: 50 - 350 mm
- ◆ Measuring range Mr: 300 mm
- ◆ Measurement rate: 5000 Hz
- ◆ Repeat accuracy: 2 - 30  $\mu$ m  
(Linearity error:  $\pm$  0,15 % Mr, 50 - 350 mm)
- ◆ Temperature drift: 0,05 % Sde/K
- ◆ Laser type: 2 mW, 660 nm, class 2
- ◆ Ambient light: < 100kLux
- ◆ Electrical connection: Connector M8 4 pin  
(1: supply; 2: analog; 3: 0 V; 4: IO-Link)
- ◆ Vibration (sinusoidal): IEC 60068-2-6:2008  
1 mm p-p at f = 10 - 55 Hz, duration 5 min per axis  
30 min endurance at f = 55 Hz per axis
- ◆ Case: Die-cast zinc
- ◆ Protection class: IP 67
- ◆ Weight: 67 g
- ◆ Temperature range: Operating: -10° to +75° C  
Storage: -20° to +80° C

