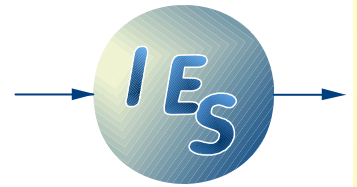


IES 2201 Light Barrier



PRELIMINARY SHORTFORM DATA

Crash proof precision high speed light barrier for triggering and speed measurement in the field of automotive safety testing.

☺ **Dimensions 65 x 50 x 25 mm³**



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Specifications

Metrics	
Dimensions	65 x 50 x 25 mm ³
Weight	0.14 kg
Connector	Lemo EHA.1B.307
Fork width	20 mm
Fork depth	40 mm

Environment	
Temperature range	0 ... 60 °C
Acceleration	200 g
Ambient light	50000 lx

Electrical Interface	
Power supply	12 V, 70 mA (7 – 15 V)
Output 1	Open collector
Output 2	5 V CMOS (protected)
Test input	Active low blank input for check or calibration

Measurement Performance	
Modulation frequency	typ. 2.5 MHz
Switching time delay	< 1 µs
Switching uncertainty	+/- 200 ns
Switching point reproducibility	10 µm
Switching point hysteresis	25 µm
Speed measurement uncertainty	0.04% (50 mm interrupting slot)

Case must be mounted to electrically grounded structures or be correctly grounded by user.

Ordering information: IES 2201

Also available:

IES 2202 Light Barrier with Ethernet Interface

IES 2204 Medium Distance Reflective Light Barrier

Information is provided without warranty and is subject to change without notice. We reserve the right to make changes whenever necessary to improve to the product.

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