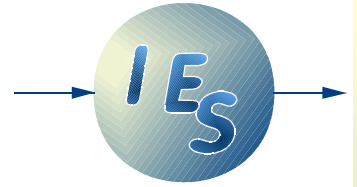


IES 2204 Reflective Light Barrier



PRELIMINARY SHORTFORM DATA

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

- ☺ **Dimensions 52 (80) x 50 x 25 mm³**
- ☺ **Speed counter directly back mountable**
- ☺ **Ethernet interface available**



IES Ingenieurbüro für Elektronikentwicklung und Spezialgerätebau

Postanschrift
Volkmaroder Strasse 8A
D-38104 Braunschweig

FON +49 531 701273-0
FAX +49 531 701273-19

Bankverbindung Postbank Hannover
BLZ 250 100 30, Konto 905 693 302
UStIDNr. DE 177335140

Specifications

Metrics	
Dimensions	52 (80 with counter) x 50 x 25 mm ³
Weight	0.17 kg (with counter)
Distance to target	typ. 300 mm

Environment	
Temperature range	0 ... 50 °C
Ambient light	100000 lx
Acceleration	TBD

Electrical Interface	
Mains	12 V, 35 mA (120 mA with counter)
I/O connector	Lemo EHA.1B.307
Ethernet connector	Lemo EHG.1B.308
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	1 µm rms
Speed measurement uncertainty	0.04% (50 mm target width)

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

Ordering information: IES 2204

Also available:

- IES 2202 Light Barrier Counter with Ethernet Interface
- IES 2201 Forked Light Barrier
- Precision Reflective Plates