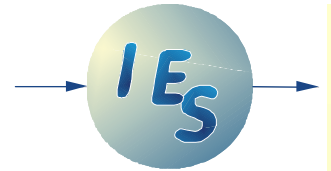


IES 2098

Belt Movement Sensor



PRELIMINARY SHORTFORM DATA

Converts the movement of a belt to an analog output voltage for car crash testing, characterization of belt retractors and the characterization of seats.

- * **Resolution 0.5 mm**
- * **Reliable optical reading**
- * **Guaranteed velocity response 50 m/s**
- * **Special designed high contrast, very adhesive stickers**
- * **All optical elements behind easily cleanable window**
- * **Low supply current, DAS sensor supply sufficient**
- * **Shunt test and ID-Module supported**



SPECIFICATIONS

Metrics	
Dimensions	50 x 56 x 20 mm ³
Weight	110 grams
Cable	6 m black EPD

Environment	
Temperature range	0 ...60 °C
Acceleration	Can be used in crash and sled tests
Ambient light	100000 lx

Electrical Interface	
Power supply	10 ... 16 V, max. 0,3 W
Output resistance	100 ohms
Output signal range	+/- 2,5 V differential

Characteristics	
Belt align tolerance	+/- 5°
Measuring range	+/- 1024 mm, wrap around feature
Resolution	0,5 mm
Velocity response	guaranteed 50 m/s

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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