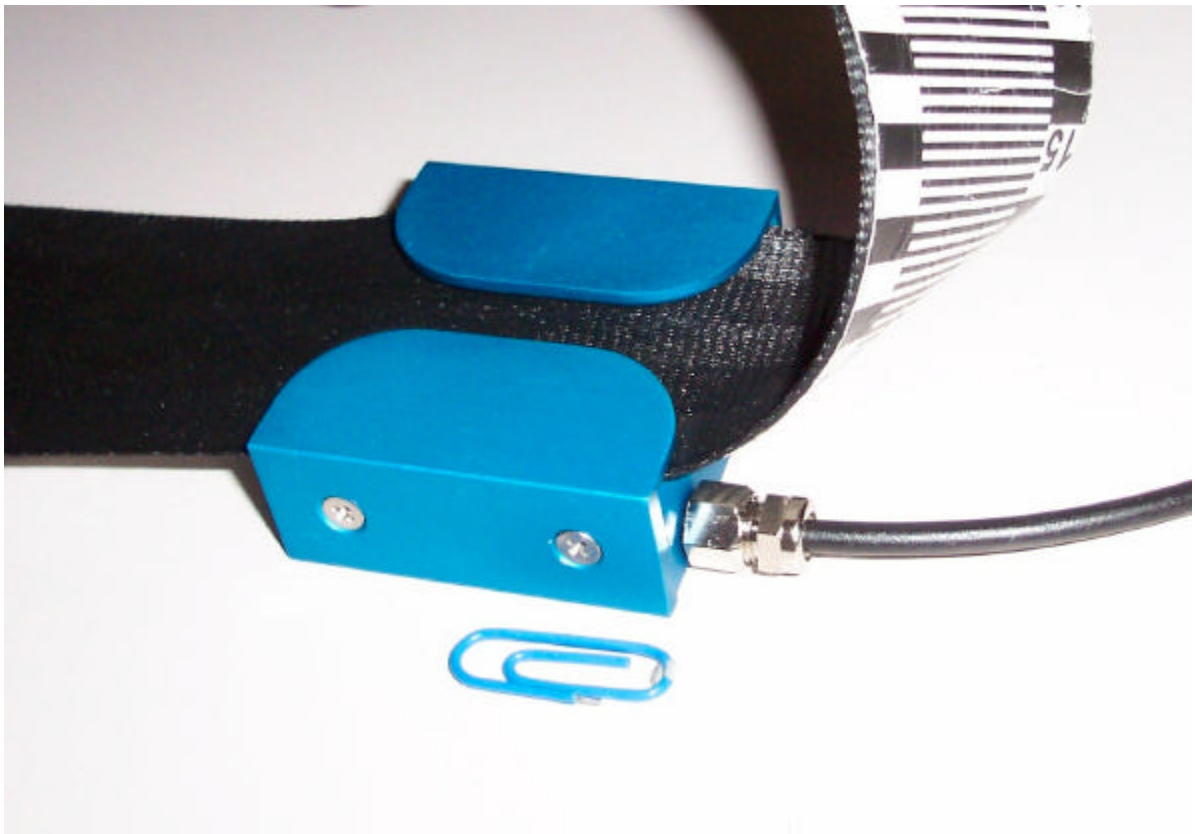
IES 2098
Belt Movement Sensor

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 cleaneable window**
* **Low supply current, DAS sensor supply sufficient**
* **Shunt test and ID-Module supported**



IES Ingenieurbüro für Elektronikentwicklung und Spezialgerätebau

Postanschrift
Osterholzweg 26
D-38110 Braunschweig

FON +49 5307 911130
FAX +49 5307 911131

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

SPECIFICATIONS

Metrics	
Dimensions	50 x 56 x 20 mm³
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

Revision 2005-04