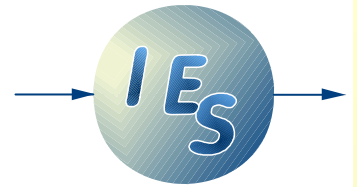


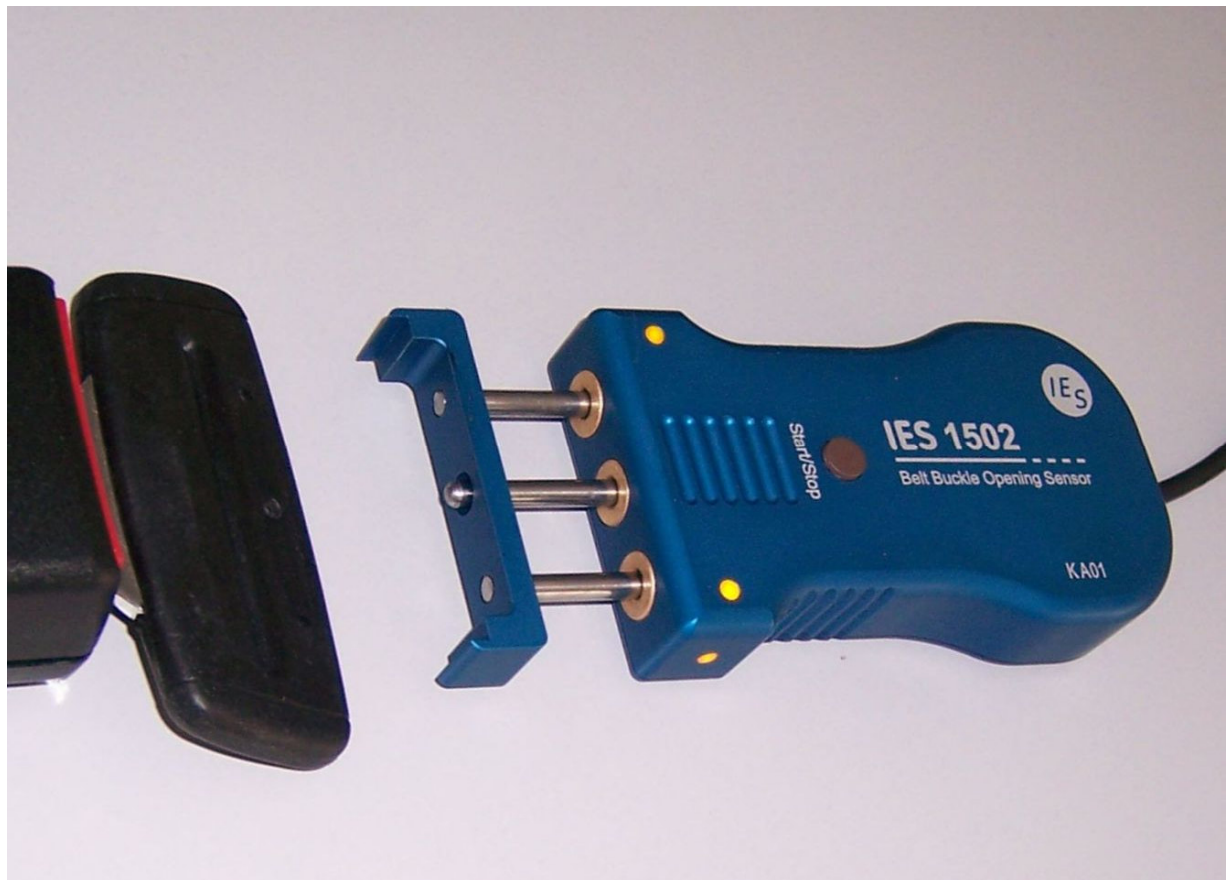
# IES 1502 Belt Buckle Opening Sensor



## PRELIMINARY SHORTFORM DATA

Belt buckle opening force and displacement sensor with USB interface enables recording of static and dynamic opening forces and travels on a notebook computer. The graphs are displayed online on the PC screen. PC software is available and handles a list of measuring locations and exports ISO data files.

- ☺ **Dimensions 125 x 54 x 20 mm<sup>3</sup>**
- ☺ **Measures Force and Displacement**
- ☺ **USB interface**
- ☺ **Online display on notebook computer**
- ☺ **ISO-data export**



## Specifications

| <b>Metrics</b> |                               |
|----------------|-------------------------------|
| Dimensions     | 125 x 54 x 20 mm <sup>3</sup> |
| Weight         | 0.22 kg                       |
| Cable          | USB, 4 m long                 |

| <b>Environment</b> |            |
|--------------------|------------|
| Temperature range  | 0 ... 60°C |

| <b>Electrical Interface</b> |           |
|-----------------------------|-----------|
| Power supply                | USB (5 V) |

| <b>Measurement Performance</b>           |                          |
|--|--------------------------|
| Force measuring range                    | 150 N (overload allowed) |
| Displacement measuring range             | 15 mm                    |
| Noise of force measurement               | 0.02 N                   |
| Noise of displacement measurement        | 5 µm                     |
| Nonlinearity of force measurement        | < 0.2 % FS               |
| Nonlinearity of displacement measurement | < 1% FS                  |

**Ordering information: IES 1502**

Also available:

IES 1501 Door opening force sensor  
IES 1500App PC-Application software

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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