

Transducer that measures the linear movement of the seat belt by means of two light barriers and special adhesive tapes.

- Lightweight and durable design
- High accuracy
- Large measuring range
- Easy attachment of seat belt



TECHNICAL SPECIFICATIONS

Measuring range	± 2,048 mm
Excitation voltage	5...10 VDC
Max. power consumption	120 mW
Typical sensitivity (see calibration certificate)	0.16 mV/mm
Resolution	1 mm
Accuracy	< 0.05 %
Sensor-ID	1-Wire® (Dallas), type DS2401
Seat belt width	48...51 mm
Max. seat belt thickness	2 mm
Max. seat belt speed	50 m/s
Dimensions (L x W x H)	70 mm x 70 mm x 17 mm
Weight, including cable	138 g
Compensated temperature range	10...70°C
Cable length	6 m
Standard cable connector	LEMO 1B, 7-pin (pin assignment according to customer specifications)
Cable-core colors	White/pink: + Excitation Brown/blue: - Excitation Green: + Signal Yellow: - Signal Grey: ID-Module Shield: According to customer requirements

Scope of supply

- Seat Belt Displacement Transducer
- Connecting cable (6 m)
- Adhesive tapes with bar pattern (10 units, 500 mm)
- Mounting plate
- Cover plates for 51 mm, 50 mm, 48 mm
- Calibration certificate

Optional equipment

- Adhesive tapes with bar pattern (500 mm and 1,000 mm)
- Maintenance and calibration service