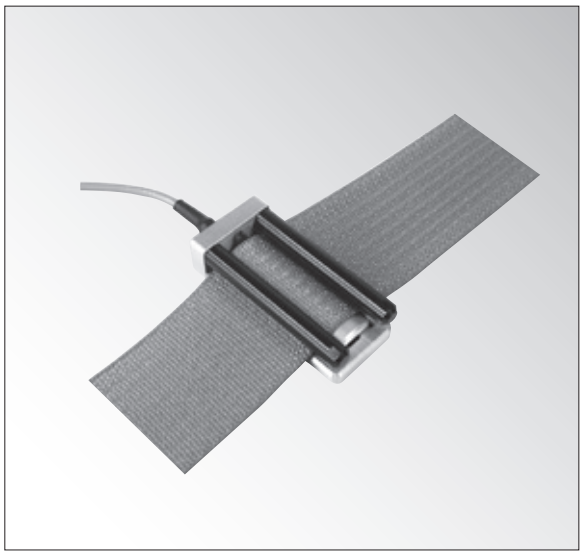
LBT-D-100NSA1-H

Seat Belt Tension Transducer for CRS



For measuring tensile force when installing CRS (Child Restraint Seat)

The LBT-D is designed to measure the belt tensile force when installing CRS to the vehicle. Compact, lightweight and disassembly-friendly design.

Specifications

Performance

Rated Capacity	100 N
Nonlinearity	Within ±1.5% RO
Rated Output	1.0 mV/V or more

Environmental Characteristics

Safe Temperature	0 to 60°C
Compensated Temperature	10 to 50°C
Temperature Effect on Zero	Within ±0.1%RO/°C
Temperature Effect on Output	Within ±0.1%/°C

Electrical Characteristics

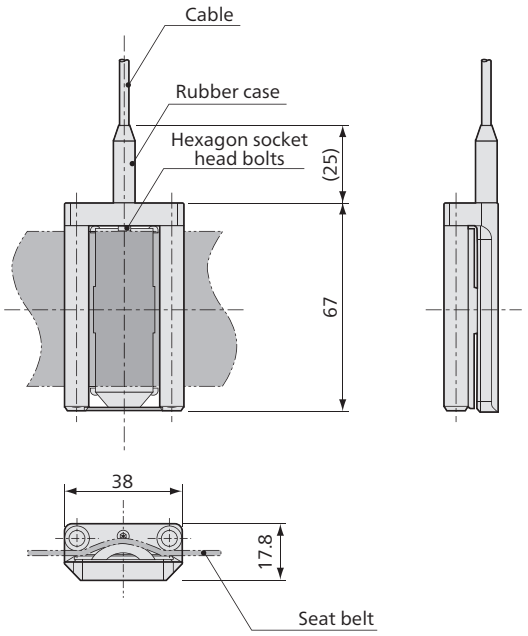
Safe Excitation	10 VDC
Recommended Excitation	2 to 10 VDC
Input Resistance	700 to 900 Ω
Output Resistance	700 Ω ±3%
Insulation Resistance	500 MΩ or more (Withh 25 VDC applied)
Cable	4-conductor (0.08 mm²), vinyl shielded cable, 3.2 mm diameter
	by 5 m long, terminated with a connector plug PRC03-12A10-7M
	(Shield wire is not connected to the case.)

Mechanical Properties

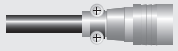
Safe Overloads	120%
Enclosure	Metallic finish
Material	Aluminum alloy
Weight	Approx. 72 g
Others	Not waterproofed.
	Calibrated using Kyowa standard seat belt.
	Equipped with a build-in compensation circuit, Please apply
	bridge excitation 2 to 10 VDC. (Characteristic not ensured when
	using bridge excitation less than 2 V) The calibration results
	in the "Test Data Sheet" is shown at 2 VDC bridge excitation.
Cable	Box with a build-in compensation sPCB is located at the end
	of the cable.

Note) Characteristic values are based on Kyowa calibration method and conditions.
*It is acceptable to calibrate with supplied seat belt.

Dimensions



Connector plug
PRC03-12A10-7M



LBT-D-100NSA1-H Recommended products for combination


DIS-5010A
→ 5-40


DIS-7000 Series
→ 5-38


DIS-5210A
→ 5-47

It requires change of the conversion cable or plug.