LB-B/LBR-S-1KNSA2

Hand Brake Operating Force Transducer



Easily attached to commercial vehicles

- **Rated capacity: 500 N, 1 kN**
- **Two systems available**

Load cells for measuring the operating force of vehicle handbrakes.
LB-B uses a universal junction to accurately measure handbrake pulling force. LBR-S-1KNSA2 is easy to attach, and can accurately measure perpendicular force on handbrakes.

LB-B Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±1% RO
Hysteresis	Within ±1% RO
Repeatability	1% RO or less
Rated Output	1 to 2 mV/V
Electrical Characteristics	
Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 Ω ±1%
Output Resistance	350 Ω ±1%
Cable	4-conductor (0.3 mm²) chloroprene shielded cable, 7.6 mm diameter by 5 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is connected to the case.)
Mechanical Properties	
Safe Overloads	120%
Weight	Approx. 420 g (Excluding cable)

LBR-S-1KNSA2 Specifications

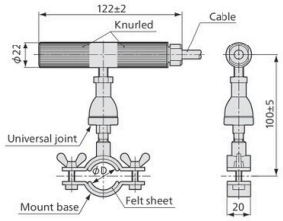
Performance	
Rated Capacity	1 kN
Nonlinearity	Within ±1.0% RO
Hysteresis	Within ±1.0% RO
Rated Output	Approx. 1.5 mV/V
Environmental Characteristics	
Safe Temperature	-10 to 70℃
Compensated Temperature	0 to 50℃
Temperature Effect on Zero	Within ±0.05% RO/℃
Temperature Effect on Output	Within ±0.05%/℃
Electrical Characteristics	
Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	240 Ω ±4% or 350 Ω ±3%
Output Resistance	240 Ω ±4% or 350 Ω ±3%
Cable	4-conductor (0.08 mm²) heat-resistant vinyl shielded cable, 3.2 mm diameter by 5 m long, terminated with a connector plug PRC03-12A10-7M
Mechanical Properties	
Safe Overloads	120%
Weight	Approx. 650 g

*Specifications and design are subject to change without notice.
*Please contact us for information on product warranties.

■Models

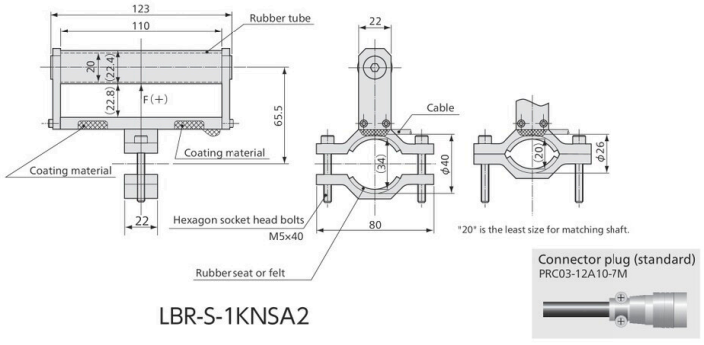
Model	Rated Capacity
LB-50KB	500 N
LB-100KB	1 kN
LBR-S-1KNSA2	1 kN

■Dimensions



φD: 15 to 25 mm

LB-B



LBR-S-1KNSA2