LB-B

Hand Brake Operating Force Transducer

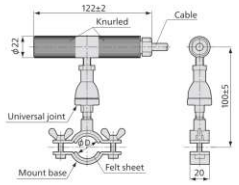


*TEDS-installed models are available.
Inquiries are welcome.

Easy to install to hand brakes on the market.

The LB-B is a load cell to measure tension of hand brakes. Adopting a universal joint, the LB-B measures the tension accurately.

Dimensions



ϕD: 15 to 25



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. 800 g

Models	Rated Capacity
LB-50KB	500 N
LB-100KB	1 kN

●Dynamic measurement ●Static measurement

LB-B Recommended products for combination





LBR-S-1KNSA2

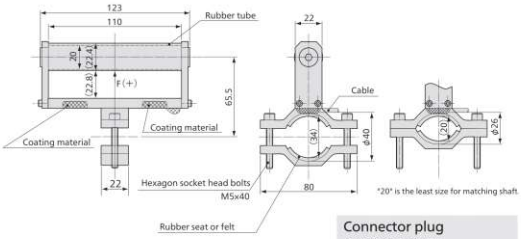
Hand Brake Operating Force Transducer



Easy to install to hand brakes on the market.

The LBR-S-1KNSA2 is a load cell to measure tension of hand brakes. The transducer measures vertical force applied to the hand brake accurately.

Dimensions





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°C
Compensated Temperature	0 to 50°C
Temperature Effect on Zero	Within ±0.05% RO/°C
Temperature Effect on Output	Within ±0.05%/°C

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-reisitant 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

●Dynamic measurement ●Static measurement

LBR-S-1KNSA2 Recommended products for combination



