Hand Brake Operating Force Transducer

LB-B/LBR-S-1KNSA2



LB-B



LBR-S-1KNSA2

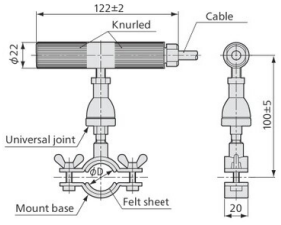
Easy installation for hand brakes

These load cells are designed for measuring an automobile's handbrakes operation force.

Specifications

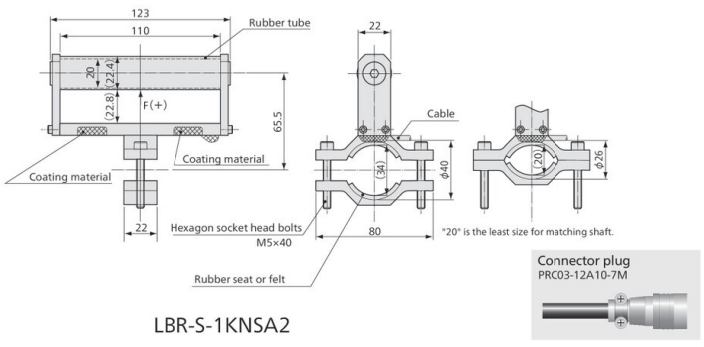
Models	LB-B	LBR-S-1KNSA2
Features	・Adopting a universal joint	・The transducer measures vertical force applied to the hand brake.
Performance		
Rated Capacity	500 N, 1 kN	1 kN
Nonlinearity	Within ±1% RO	Within ±1.0% RO
Hysteresis	Within ±1% RO	Within ±1.0% RO
Repeatability	1% RO or less	–
Rated Output	1 to 2 mV/V	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
Electrical Characteristics		
Safe Excitation	10 V AC or DC	
Recommended Excitation	1 to 5 V AC or DC	
Input Resistance	350 Ω ±1%	240 Ω ± 4% or 350 Ω ± 3%
Output Resistance	350 Ω ±1%	240 Ω ± 4% or 350 Ω ± 3%
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.)	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. 800 g	Approx. 650 g

■Dimensions



ϕD: 15 to 25

LB-B



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