LSA-A-S1

Gear-change Lever Operating Force Transducer



Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±0.5% RO
Hysteresis	Within ±0.5% RO
Rated Output	Approx. 0.5 mV/V (For both Fx and Fy)
Environmental Characteristics	
Safe Temperature	-10 to 60℃
Compensated Temperature	0 to 40℃
Temperature Effect on Zero	Within ±0.05% RO/℃
Electrical Characteristics	
Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 8 V AC or DC
Input Resistance	175 Ω ±2%
Output Resistance	175 Ω ±2%
Cable	4-conductor (0.05 mm²) chloroprene shielded cable, 3 mm diameter
	by 3 m long, terminated with connector plugs PRC03-12A10-7M
	(2 pieces provided) (Shield wire is not connected to the case.)
Mechanical Properties	
Safe Overloads	120% (For both Fx and Fy)
Interference	±5% RO (Between Fx and Fy)
Weight	Approx. 100 g

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

Minimal errors introduced due to grip method

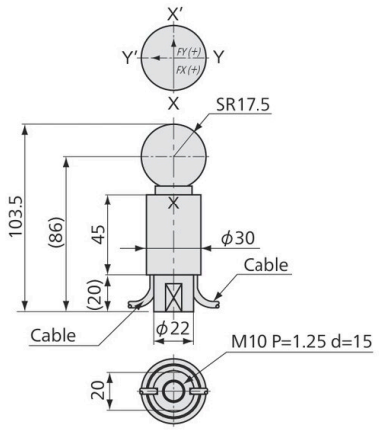
- **Rated capacity (Fx, Fy): 200, 300 N**
- **Easy to attach and handle**

Transducers used on a vehicle's floor shift gear stick to measure component force in two directions when shifting gears.

■Models

Model	Rated Capacity (Both Fx and Fy)
LSA-A-200NS1	200 N
LSA-A-300NS1	300 N

■Dimensions



Connector plug (standard)
PRC03-12A10-7M



Strain Gage
Load Cell
Pressure Sensor
Acceleration Sensor
Torque Sensor
Displacement Sensor
Component Force Sensor
Automotive Sensor
Civil Engineering Sensor