LSA-A-S1

Gear-change Lever Operating Force Transducer

Few errors by different gripping ways

- Compact & lightweight
- Easy to install and handle
- Accurate measurement with minimal mutual interference

Applied to a gear-change lever for floor shift, the LSA-A-S1 measures 2-component force generated by operating the gear-change lever.

Specifications

Performance

Rated Capacity	Models	Rated Capacity
	LSA-A-200NS1	200 N for both Fx and Fy
	LSA-A-300NS1	300 N for both Fx and Fy
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°C
Compensated Temperature	0 to 40°C
Temperature Effect on Zero	Within ±0.05% RO/°C
Temperature Effect on Output	Within ±0.05%/°C

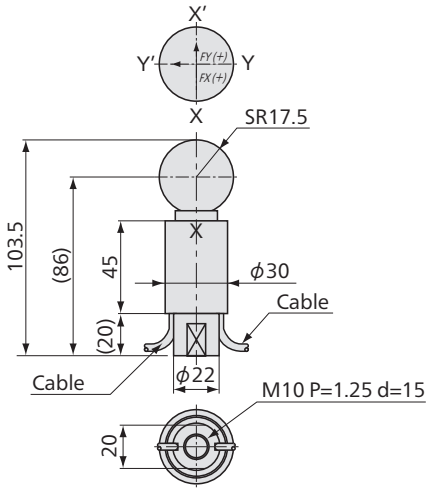
Electrical Characteristics

Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 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.)

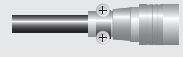
Mechanical Properties

Safe Overloads	120% for both Fx and Fy
Interference	±5% RO between Fx and Fy
Weight	Approx. 100 g

Dimensions



Connector plug
PRC03-12A10-7M



LSA-A-S1 Recommended products for combination


Universal Recorder EDX-200A
→ 3-55


Universal Recorder EDX-100A
→ 3-63


Memory Recorder/Analyzer EDX-5000A
→ 3-68