

LSA-A-S1

Gear-change Lever Operating Force Transducer

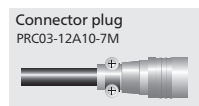
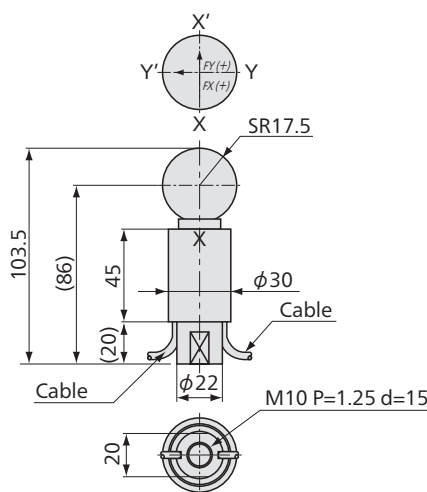


Few errors by different gripping ways

- 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.

■ Dimensions



Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.5\%$ RO
Hysteresis	Within $\pm 0.5\%$ 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 $\pm 0.05\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.05\%$ /°C

Electrical Characteristics

Safe Excitation	10 V AC or DC
Recommended Excitation	1 to 8 V AC or DC
Input Resistance	175 Ω $\pm 2\%$
Output Resistance	175 Ω $\pm 2\%$
Cable	4-conductor (0.05 mm ²) 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	$\pm 5\%$ RO (Between Fx and Fy)
Weight	Approx. 100 g

Models	Rated Capacity
LSA-A-200NS1	200 N for both Fx and Fy
LSA-A-300NS1	300 N for both Fx and Fy



Automotive Test Equipment

Automotive performance test

Crash test

Crash test measuring system

Crash test software

● Dynamic measurement

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