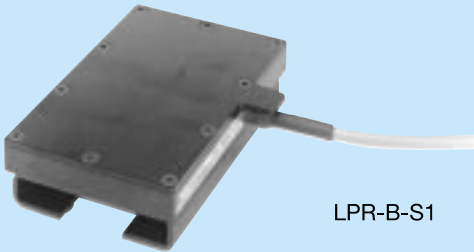


# LPR

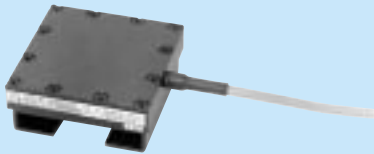
## Thin Pedaling Force Transducers



LPR-A-S10



LPR-B-S1



LPR-B-S2

The LPR series is designed to measure pedaling force of an automobile, etc. The thinner design enables installation to a limited space.

### Features

- Thin and lightweight
- Minimal error between different pedaling modes
- Easy installation and handling

### Specifications

Specifications in brackets are for LPR-S1/S2.

#### Performance

**Rated Capacity:** Refer to table below.

**Nonlinearity:** Within  $\pm 0.5\%$  RO [within  $\pm 1\%$  RO]

**Hysteresis:** Within  $\pm 0.5\%$  RO [within  $\pm 1\%$  RO]

**Rated Output:** 1 mV/V (2000  $\mu\text{m/m}$ ) [0.5 mV/V (1000  $\mu\text{m/m}$ )] or more

#### Environmental Characteristics

**Safe Temp. Range:**  $-10$  to  $65^\circ\text{C}$  [ $-10$  to  $70^\circ\text{C}$ ] (noncondensing)

**Compensated Temp. Range:** 0 to  $50^\circ\text{C}$  (noncondensing)

**Temperature Effect on Zero:** Within  $\pm 0.1\%$  RO/ $^\circ\text{C}$  [within  $0.05\%$  RO/ $^\circ\text{C}$ ]

**Temperature Effect on Output:** Within  $\pm 0.1\%$ / $^\circ\text{C}$  [within  $\pm 0.05\%$ / $^\circ\text{C}$ ]

#### Electrical Characteristics

**Safe Excitation Voltage:** 10 VAC or DC [8 VAC or DC]

**Recommended Excitation Voltage:** 1 to 5 VAC or DC

**Input Resistance:**  $350\ \Omega \pm 2\%$  [ $240\ \Omega \pm 3\%$ ]

**Output Resistance:**  $350\ \Omega \pm 2\%$  [ $240\ \Omega \pm 3\%$ ]

**Cable:** 4-conductor (0.05 mm<sup>2</sup>) chloroprene shielded cable, 3 mm diameter by 3 m long, terminated with NDIS connector plug

#### Mechanical Properties

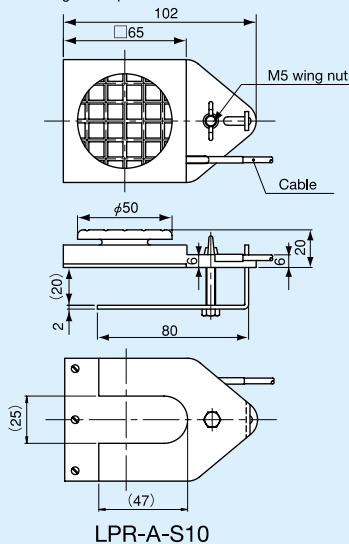
**Safe Overload Rating:** 150%

**Weight, Approx.:** 250 g [280 g (LPR-A-S1), 200 g (LPR-S2)]

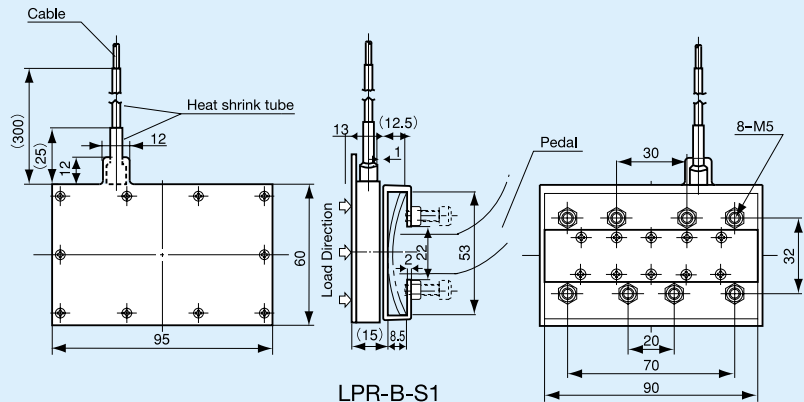
### Dimensions

Model	Rated Capacity
LPR-A-03KNS10	300 N
LPR-A-05KNS10	500 N
LPR-A-1KNS10	1 kN
LPR-A-2KNS10	2 kN
LPR-B-05KNS1	500 N
LPR-B-1KNS1	1 kN
LPR-B-2KNS1	2 kN
LPR-B-05KNS2	500 N
LPR-B-1KNS2	1 kN
LPR-B-2KNS2	2 kN

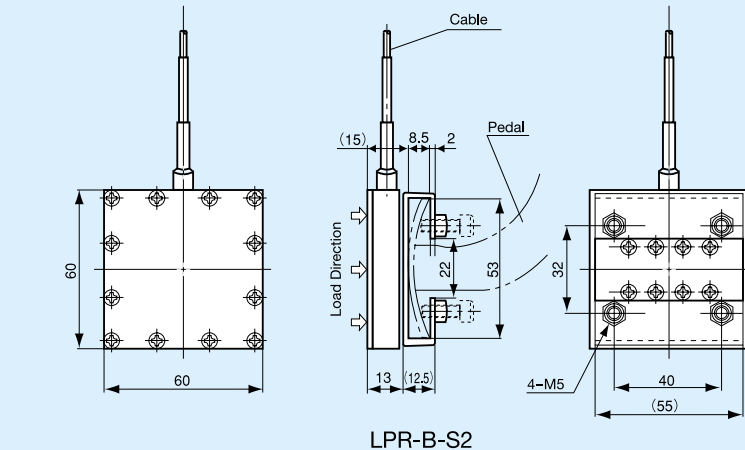
Figures in parentheses are reference values.



LPR-A-S10



LPR-B-S1



LPR-B-S2