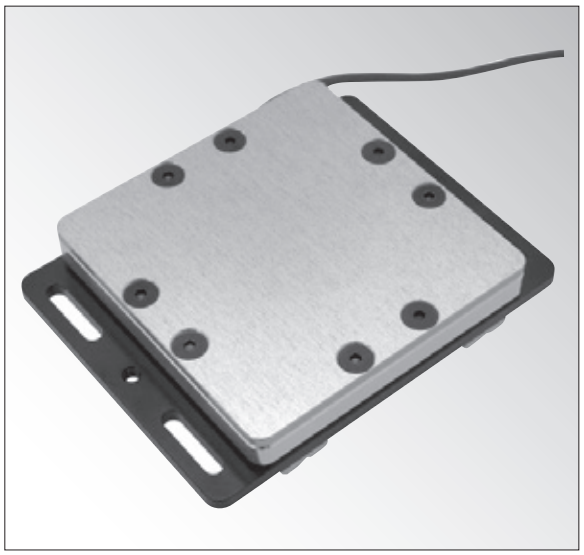
LPR-C

Thin Pedal Force Transducer



Easy installation, few error by offset-load, and applicable for various shapes of pedal.

- Little influence on operation feeling due to thin profile and lightweight.
- Easy installation enables simple mounting to various shapes of brake pedal.
- Thin profile, thickness 12 mm
- Few error by offset-load

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within ±0.3% RO
Hysteresis	Within ±0.3%RO
Rated Output	Approx. 0.9 mV/V for 0.2 to 1 kN
	Approx. 1.8 mV/V for 2 kN

Environmental Characteristics

Safe Temperature	-10 to 70°C (Non-condensing)
Compensated Temperature	0 to 50°C (Non-condensing)
Temperature Effect on Zero	Within ±0.05% RO/°C
Temperature Effect on Output	Within ±0.05% RO/°C

Electrical Characteristics

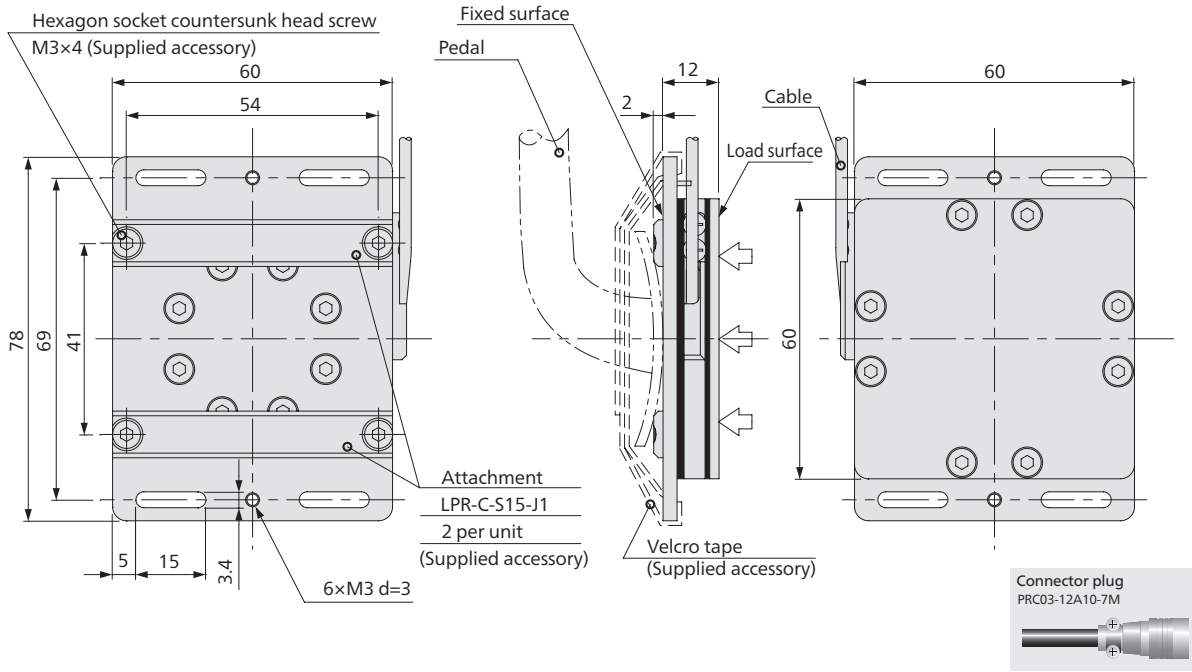
Safe Excitation	8 VAC or DC
Recommend Excitation Voltage	1 to 5 V AC or DC
Input Resistance	240 Ω ±3%
Output Resistance	240 Ω ±3%
Cable	4-conductor (0.05 mm²) heat-resistant vinyl shielded cable,
	2.5 mm diameter, 3 m long, terminated with a connector plug
	PRC03-12A10-7M (Shield wire is not connected to the case)

Mechanical Properties

Safe Overloads	150%
Weight	Approx. 110 g (Excluding cable)

Models	Rated Capacity
LPR-C-02KNS15	200 N
LPR-C-03KNS15	300 N
LPR-C-05KNS15	500 N
LPR-C-1KNS15	1 kN
LPR-C-2KNS15	2 kN

Dimensions



LPR-C Recommended products for combination
Universal Recorder EDX-200A → 3-55
Universal Recorder EDX-100A → 3-63
Memory Recorder/Analyzer EDX-5000A → 3-68