

# Model BPL Pedal Load Cell

## Capacities 50-500 lbf

Why the Interface model BPL Pedal Load Cell is the best in class:

- Lowest nonlinearity and hysteresis of any brake pedal load cell – < 0.05%
- Ultra low height
- Low sensitivity to off-center loads - <1.0%/in
- Mounts directly to pedal with included strap(s)
- Interchangeable mounting plates
- For use with gas, brake or clutch pedal



### SPECIFICATIONS

**ACCURACY – (MAX ERROR)**

Static Error Band .....	±0.05
Nonlinearity-% FS .....	±0.05
Hysteresis-% FS .....	±0.05
Nonrepeatability-% RO .....	±0.02
Creep, in 20 min-% .....	±0.05
Eccentric Load Sensitivity-%/in .....	±1

**TEMPERATURE**

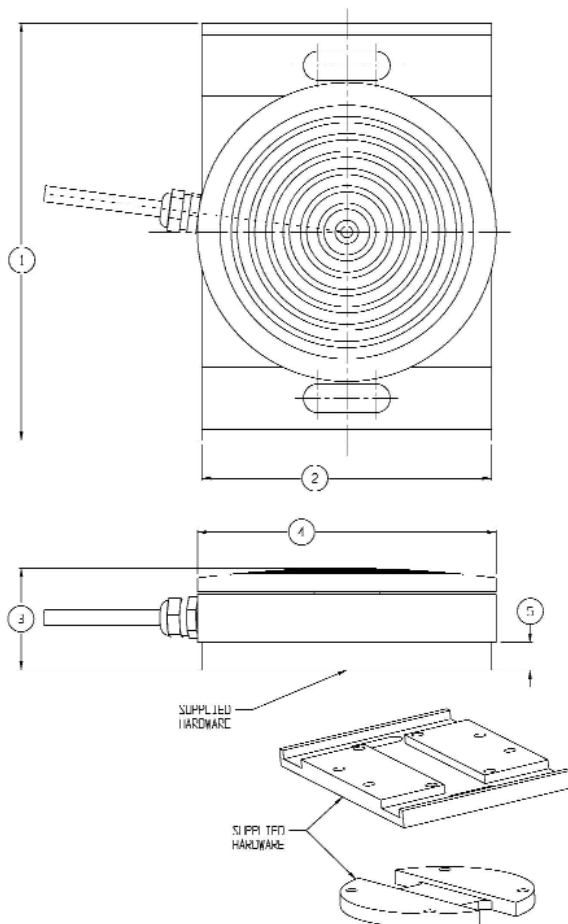
Compensated Range-°F .....	15 to 115
Compensated Range-°C .....	-10 to 45
Operating Range-°F .....	-65 to 200
Operating Range-°C .....	-55 to 90
Effect on Output-%/°F-MAX .....	±0.001
Effect on Zero-% RO/°F-MAX .....	±0.002

**ELECTRICAL**

Rated Output-mV/V (Nominal) .....	2.0
Zero Balance-% RO .....	±1.0
Bridge Resistance-Ohm (Nominal) .....	700
Excitation Voltage-MAX .....	15 VDC
Excitation Voltage-Nominal .....	10 VDC
Insulation Resistance-Megohm .....	> 5000
Deflection at Capacity (inch) .....	0.002

**MECHANICAL**

Calibration .....	Compression
Safe Overload-% CAP .....	150
Safe Overload-Side-% CAP: .....	40, any direction
Cable .....	10 ft



### DIMENSIONS

See Drawing	CAPACITY (lbf)	
	50, 100, 200, 300, 500	
	inch	mm
①	3.60	91.4
②	2.50	63.5
③	0.88	22.3
④	2.58	65.5
⑤	0.24	6.1