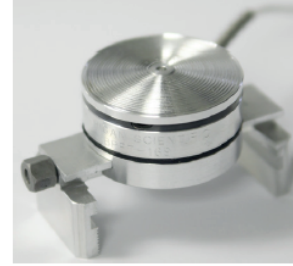
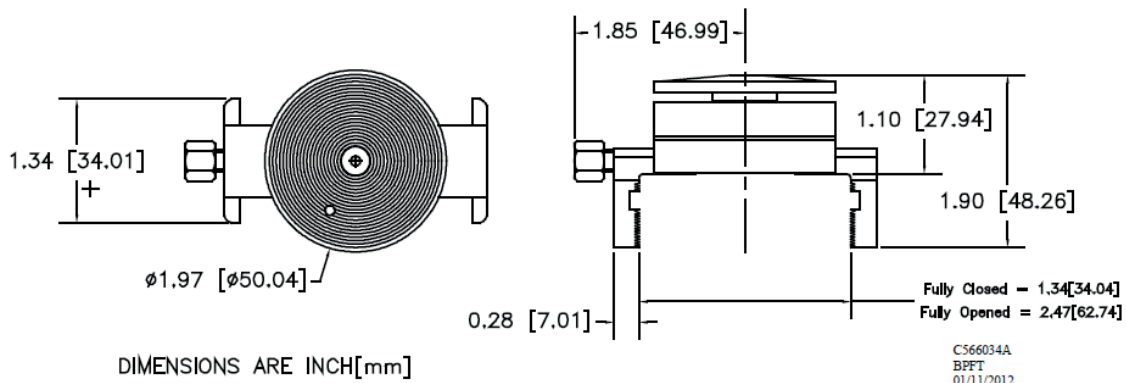


- 500 lb capacity
- High accuracy for on and off center loading
- Fits standard brake pedals
- Fits parking brake pedals
- Rugged aluminum construction



## Description

The Michigan Scientific Brake Pedal Force Transducer (BPFT) is a precision strain gage load cell. This transducer was designed to accommodate the brake pedals of most cars, as well as parking brake pedals. It features high accuracy for both on-center and off-center loading.



## Specifications

Maximum Load Capacity	500 lbs (230 kg)
Full Scale Load	500 lbs (230 kg)
Weight	4.2 oz (119 g)
Fatigue Rating for Single Axis (full load)	>10 <sup>6</sup> cycles
Full Scale Output	2.25 mV/V, nominal
Sensor	1 Four-arm strain gage bridges
Nonlinearity	0.1% of full scale
Hysteresis	0.5% of full scale output
Bridge Resistance	240 Ω nominal
Temperature Range, Compensated	75°F to 200°F (24°C to 93°C)
Temperature Effect on Zero	0.008% reading/ °F (0.0015% reading/ °C)
Temperature Range, Useable	-40°F to 300°F (-40°C to 149°C)
Excitation Voltage, Maximum	10V DC or AC rms
Insulation Resistance, Bridge/Case	Exceeds 5000 MΩ
Standard Cable Length	10 ft (3.05 m)
* Contact Factory for other compensated ranges	Contact factory for options on clamping width range