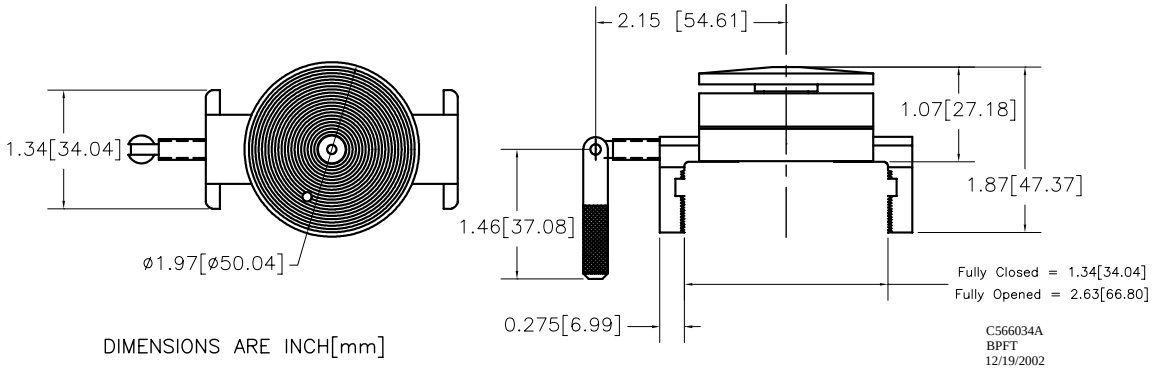
Brake Pedal Force Transducer

Model BPFT

- 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)	$>10^6$ cycles
Full Scale Output	1.5 mV/V, nominal, all channels
Sensor	1 four-arm strain gage bridges
Nonlinearity	2.0% of full scale output
Hysteresis	1.0% of full scale output
Repeatability	1.0% of full scale output
Zero Balance	Within ± 10.0% of rated output at zero load
Bridge Resistance	700Ω nominal Fx & Fy, 1400Ω nominal Fz
Temperature Effect on Zero	0.008% reading/ °F (0.0015% reading/ °C)
Temperature Range, Compensated*	75°F to 200°F (24°C to 93°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 (bare leads)	10 ft
* Contact factory for other compensated ranges	

8500 Ance Road
Charlevoix, MI 49720
Tel: 231-547-5511
Fax: 231-547-7070

MICHIGAN SCIENTIFIC corporation

http://www.michsci.com
Email: mscinfo@michsci.com

321 East Huron Street
Milford, MI 48381
Tel: 248-685-3939
Fax: 248-684-5406

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