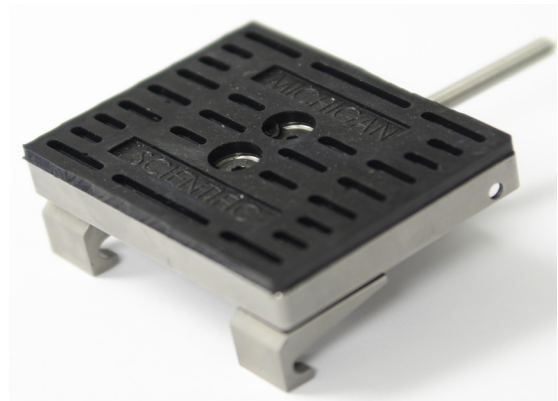


Low Profile Brake Pedal Force Transducer

Model BPFT3

- 500 lb (2200 N) capacity
- Accuracy even with off-center loading
- Fits smaller brake pedals, for example vehicles with manual transmissions
- Rugged construction



Description

The Michigan Scientific *Low Profile Brake Pedal Force Transducer 3 (BPFT3)* is a precision strain gage based transducer. It attaches directly onto a vehicle's brake pedal quickly and securely by removing the rubber pad from the vehicle's brake pedal and tightening the single retaining bolt to the padless pedal. Designed to accommodate the brake pedal size of most manual transmission equipped vehicles, the low profile and size closely duplicates the shape and feel of a production brake pedal, while adding minimal height and weight. Accuracy is not compromised off-center loading.

Specifications

Maximum Load Capacity	500 lbs (2200 N)
Full Scale Load	500 lbs (2200 N)
Full Scale Output	1.57 mV/V, nominal
Sensor	1 four-arm strain gage bridge
Nonlinearity	1.0% of full scale output
Hysteresis	0.1% of full scale output
Repeatability	0.1% of full scale output
Bridge Resistance	350 Ω
Temperature Effect on Zero	0.008% reading/ $^{\circ}$ F (0.0015% reading/ $^{\circ}$ C)
Temperature Range, Useable	-40 $^{\circ}$ F to 200 $^{\circ}$ F (-40 $^{\circ}$ C to 95 $^{\circ}$ C)
Excitation Voltage, Maximum	10V DC or AC rms
Insulation Resistance, Bridge/Case	Exceeds 5000 M Ω
Standard Cable Length (bare leads)	10 ft (3 M)
Weight	10.8 oz (300 g)

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

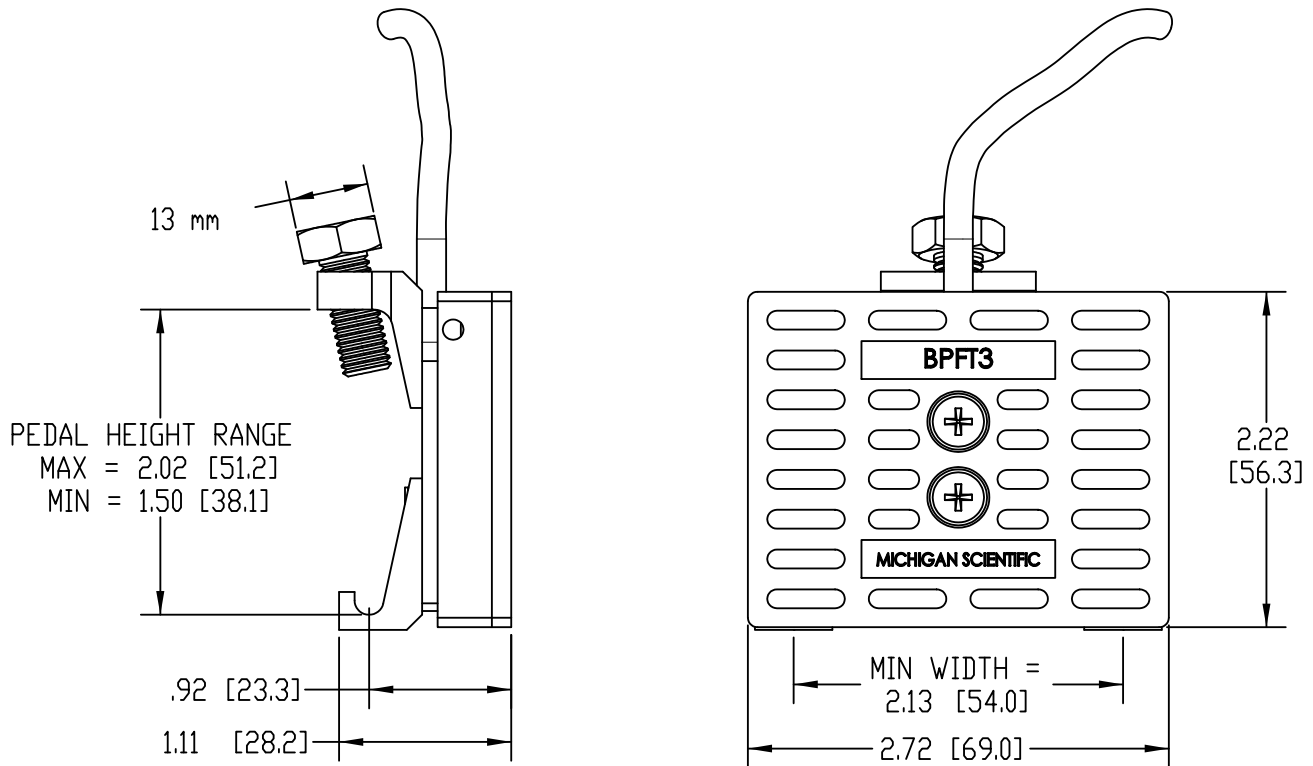
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321 East Huron Street
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Rev: 4/28/12

Low Profile Brake Pedal Force Transducer

BPFT3 Configuration



Contact factory for options on clamping width range.

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