Low Profile Brake Pedal Force Transducer

Model BPFT2

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

Description

Michigan Scientific's *Low Profile Brake Pedal Force Transducer (BPFT2)* is a precision strain gage load cell. It attaches directly onto a vehicle's brake pedal quickly and securely by removing the rubber pad and tightening the single retaining bolt. Designed to accommodate the brake pedal of most cars, the low profile and size closely duplicates the shape and feel of a production brake pedal, while adding minimal height and weight. It features high accuracy for both on-center and off-center loading.

Specifications

Maximum Load Capacity	500 lbs
Full Scale Load	500 lbs
Full Scale Output	2.75 mV/V, nominal
Sensor	1 four-arm strain gage bridge
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	350 Ω
Temperature Effect on Zero	0.008% reading/ °F (0.0015% reading/ °C)
Temperature Range, Useable	-40°F to 200°F (-40°C to 95°C)
Excitation Voltage, Maximum	10V DC or AC rms
Insulation Resistance, Bridge/Case	Exceeds 5000 MΩ
Standard Cable Length (bare leads)	10 ft (3 M)
Weight	12.4 oz (350 g)

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Rev: 8/27/03

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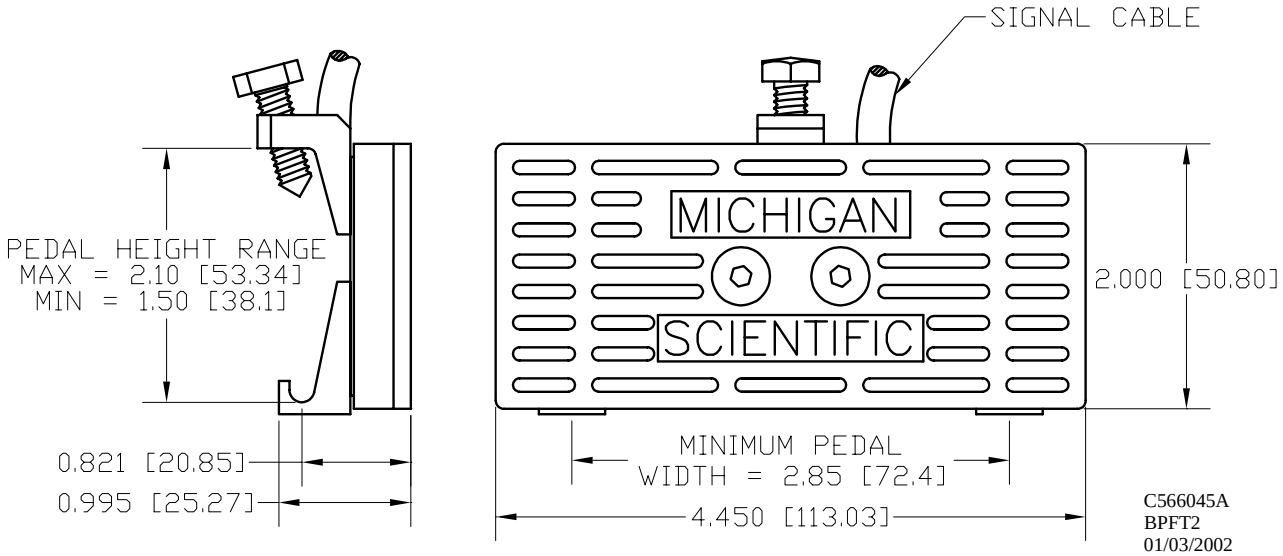
BPFT2 Configuration



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