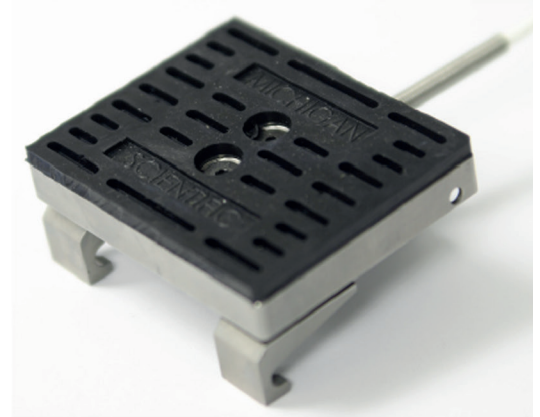


- 500 lb (2200 N) capacity
- High accuracy for on and off center loading
- Fits smaller brake pedals, for example vehicles with manual transmissions
- Rugged construction
- Can be used to quickly verify brake loads when paired with Michigan Scientific's *Transducer Display Module (TDM)*



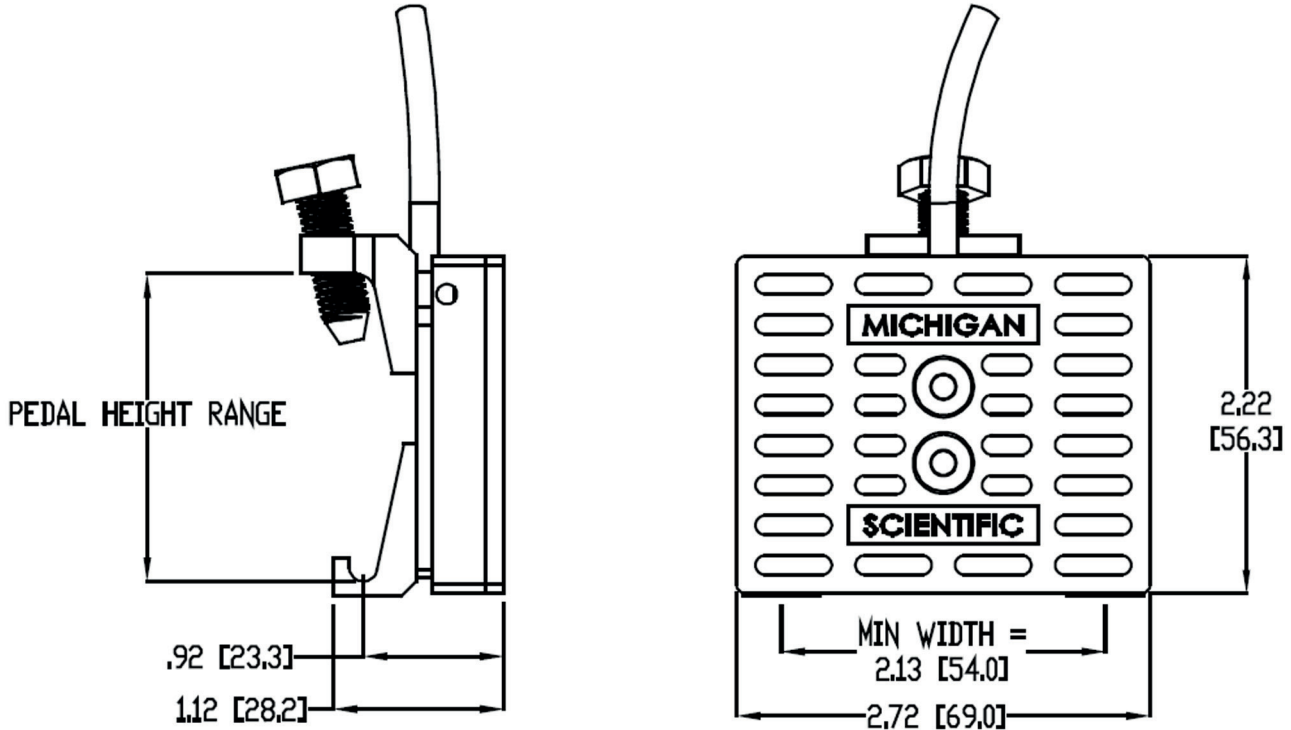
Description

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. 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) |
| Full Scale Output | 1.5 mV/V, nominal |
| Sensor | 1 Four-arm strain gage bridges |
| Nonlinearity | 0.5% of full scale output |
| Hysteresis | 0.1% of full scale output |
| Bridge Resistance | 350 Ω |
| 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 M Ω |
| Standard Cable Length | 10 ft (3.05 m) |
| Weight | 10.8 oz (300 g) |

BPFT3 Configuration



| CLAMP SET | MAX PEDAL HEIGHT* | MIN PEDAL HEIGHT* |
|------------|-------------------|-------------------|
| STANDARD** | 2.0 [50.8] | 1.5 [38.1] |
| EXTENDED | 3.0 [76.2] | 2.0 [50.8] |

*BPFT3 is mounted onto pedal frame with rubber pad removed.
Clamping range is of the height of this frame only.
**Units are shipped with standard clamp set unless requested otherwise.
Clamp sets can be easily changed by the customer.
Dimensions are in inches [mm].

M466010B
BPFT3
02/17/2013

Contact factory for more options on clamping width range.