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Benchtop Passive Isolation System

The IsoPlate benchtop passive vibration-isolation system provides portability for small-scale experiments, demonstrations, and vibration-sensitive instrumentation. The breadboard (available separately, or included with MIP series) sits on four rubber pads.

The pneumatic system has four inflated cushions, of which two have a coupled air reservoir and the remaining two are independently inflated. This arrangement provides stable, three-point dynamics to the system.

Air suspension is achieved via three valves on the front panel, which can be inflated by a standard bicycle pump or our PTA127 foot pump, which is featured on page XXX. The MIP series include an IsoPlate base and a performance series breadboard without mounting holes (see page XXX).

Specifications

- **Load Capacity:** 100 - 400 lbs (45 - 180 kg)
- **Inflation Method:** Foot Pump (PTA126) or Pressure Control Panel (PWA080)
- **Air Connection:** Schrader Valve
- **Max Isolator Air Pressure:** 60 psi (415 kPa)

IsoPlate Passive Isolation System (Base only)

ITEM #	\$	£	€	RMB	DESCRIPTION
PTT600600	\$ 950.00	£ 684.00	€ 826,50	¥ 7,571.50	IsoPlate, 23.6" x 23.6" x 3.5" (600 mm x 600 mm x 90 mm)
PTT900600	\$ 1,000.00	£ 720.00	€ 870,00	¥ 7,970.00	IsoPlate, 35.4" x 23.6" x 3.5" (900 mm x 600 mm x 90 mm)

IsoPlate and Performance Breadboard Set

ITEM #	\$	£	€	RMB	DESCRIPTION
MIP2	\$ 1,525.00	£ 1,098.00	€ 1.326,75	¥ 12,154.25	600 mm x 600 mm (23.6" x 23.6") Base & Plate
MIP3	\$ 1,675.00	£ 1,206.00	€ 1.457,25	¥ 13,349.75	900 mm x 600 mm (35.4" x 23.6") Base & Plate

Passive Isolation Mounts

These temporary passive isolation mounts, which are available in a set of four, are ideal for use with breadboards and small optical tables. They can be placed on a floor or benchtop to provide a quick and easy vibration isolation solution for a variety of work surface sizes. Simply set your breadboard on top. They can also be used to upgrade the rigid mounts of the PFR Series of rigid breadboard frames (see page XXX). The mounts, which are available in standard or heavy-duty versions to accommodate different load capacities, can be inflated using a standard foot pump (PTA126). They are sold in sets of four but other quantities are available upon request.



PWA074

Specifications

ITEM #	PWA074	PWA075
Resonant Frequency*	3.5 Hz	
Transmissibility at Resonance*	24 dB	
Transmissibility at 10 Hz	-16 dB (0.15 Transmissibility Ratio)	
Load Capacity (Set of Four)	24 - 260 kg (50 - 570 lbs)	135 - 700 kg (300 - 1540 lbs)
Max Isolator Air Pressure	72 psi (496 kPa)	
Footprint	75 x 75 mm (2.95" x 2.95")	105 x 105 mm (4.13" x 4.13")
Height	65 mm (2.56")	
Thread on Top of Mount	M10 x 1.5	M12 x 1.75

*Note: Measured at the maximum rated load for the isolator type.

Passive Isolation Mounts

ITEM #	THREAD	\$	£	€	RMB	DESCRIPTION
PWA074	M10 x 1.0	\$ 450.00	£ 324.00	€ 391,50	¥ 3,586.50	Standard-Duty Passive Isolation Mounts (Set of Four)
PWA075	M12 x 1.75	\$ 690.00	£ 496.80	€ 600,30	¥ 5,499.30	Heavy-Duty Passive Isolation Mounts (Set of Four)



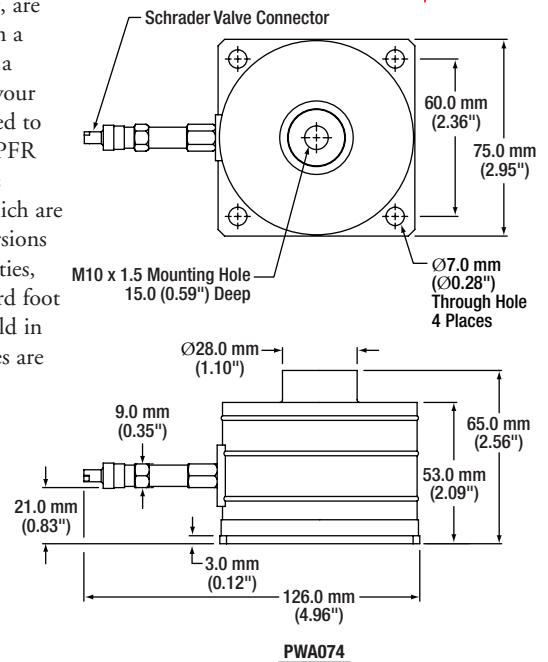
NEW
products

Microscope Not Included
Inflates Using a Standard Foot Pump (PTA127)

MIP3

NEW
NEW

NEW
products



Please refer to our website for complete models and drawings.