

For current pricing, please see our website.

CHAPTERS

Tables/
Breadboards

Mechanics

Optomechanic
Devices

Kits

Lab Supplies

SECTIONS

Breadboards

Breadboard
Supports

Breadboard
Accessories

ScienceDesk

ScienceDesk
Accessories

Optical Tables

Table Supports

Optical Table
Accessories

Vibration Isolation Accessories

Specifications

- **Air Pressure (Max):** 116 psi (800 kPa)
- **Air Delivery**
 - 115 VAC/60 Hz Version
39 L/min at 600 kPa (87 psi)
 - 220 VAC/50 Hz Version
33 L/min at 600 kPa (87 psi)
- **Power**
 - 115 VAC/60 Hz Version: 446 W, 6 A
 - 220 VAC/50 Hz Version: 340 W, 2.4 A
- **Noise Level:** 40 dB at 1 m
- **Dimensions:**
13" x 11" x 12.6"
(330 mm x 280 mm x 320 mm)
- **Weight:** 39.6 lbs (18.0 kg)



PTA511



PTA1006



PTA013

Air Compressors

For laboratories not equipped with a compressed air supply, Thorlabs provides a low-noise air compressor that is self-contained, lightweight, and compact. Due to the low noise emitted (40 dB at 1 m), the compressor will not interfere with sensitive experiments. Each system includes its own air regulator, filter, and receiver tank with pressure gauge, safety valve, drain, and line pressure gauge.

Air Filter/Regulator

This compact filter/regulator is recommended for use with all Thorlabs active isolators. It regulates the air pressure supplied to the isolators while removing moisture and particles down to 5 µm. The fittings accept the Ø6 mm plastic tubing supplied with the active isolators. Each filter/regulator comes complete with a wall mounting bracket.

Air Compressors and Air Filter Regulator

ITEM #	\$	£	€	RMB	DESCRIPTION
PTA011*	\$ 535.50	£ 385.56	€ 465,89	¥ 4,267.94	Air Compressor, 110/115 V, 60 Hz US Power Plug
PTA511*	\$ 535.50	£ 385.56	€ 465,89	¥ 4,267.94	Air Compressor, 220/240 V, 50 Hz UK Power Plug
PTA511-EC*	\$ 535.50	£ 385.56	€ 465,89	¥ 4,267.94	Air Compressor, 220/240 V, 50 Hz, European Power Plug
PTA013	\$ 72.90	£ 52.49	€ 63,42	¥ 581.01	Air Filter
PTA1006	\$ 45.00	£ 32.40	€ 39,15	¥ 358.65	500 mL Bottle of Compressor Oil

*Air filter and oil included

NEW

Foot Pump for Passive Isolation Systems



PTA126

To pressurize passive vibration-isolation systems where a constant supply of air is not necessary, Thorlabs supplies this foot pump. It has a Schrader-type connector (Car Tire Valve), integrated pressure gauge, and extended tubing to allow convenient positioning.

Specifications

- **Pressure (Max):** 100 psi
- **Hose Length:** 6.6' (2 m)

ITEM #	\$	£	€	RMB	DESCRIPTION
PTA126	\$ 39.90	£ 28.73	€ 34,71	¥ 318.00	Foot Pump



- ◆ Heat-Treated Stainless Steel Minimizes Temperature-Dependent Hysteresis to Less than 2 µrad Deviation after Temperature Cycling
- ◆ Actuators Matched to Body/Bushing to Reduce Drift and Backlash
- ◆ Sapphire Seats Ensure Long-Term Durability



POLARIS-K1



POLARIS-K05



POLARIS-K1-H

Mechanical and Temperature Test Data
at www.Thorlabs.com

For more details,
see pages 244 - 246