



Description

The 7193B is a hand operated benchtop pneumatic pump that generates 95 % vacuum or up to 100 bar (1500 psi) pressure. Compact and easy to use, it provides a highly stable dual pressure source ideal for reference calibration with accompanying precision gauge. A high-quality screw press is designed for fine pressure adjustment, with adjusting resolution up to 0.1 mbar (10 Pa).

A specially designed shut-off valve makes the pressure stability as high as possible during calibration. A built-in gas-liquid isolator protects the pump from moisture and dirt to minimize the maintenance. Two finger-tight connectors installed on the pump allow the user using fingers to connect and disconnect the reference gauge and devices under test quickly and easily without the need for PTFE tape or wrenches.

The 7193B is ideal for applications requiring mid range pressure testing and calibration. It can be used in calibrating pressure gauges, transmitters, or other pressure measuring instruments. To accompany the pump Time Electronics offer a range of digital pressure gauges, including the TEG-G100b vacuum to 100 bar gauge available in four accuracies.

Specifications

Media	Air.
Generated pressure range	0.95 bar vacuum to 100 bar pressure (14 psi vacuum to 15000 psi pressure).
Pressure resolution	0.1 mbar / 10 Pa.
Material	Ram/adapters: SST; Body: SST/aluminum; Seals: Buna-N (nitrile).
Connection	Finger-tight connectors for both test gauge and reference gauge.
Pressure connections	2 x 1/4 " BSP. Optional 1/4 " NPT (7193B-NPT).
Height	140 mm (5.5 ").
Base	315 mm (12.4 ") x 198 mm (7.8 ").
Weight	2.7 kg (6 lbs).
Options	Digital gauges, carry case (7193B-CC), maintenance kit (7193B-MK).

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

Features

- Vacuum to 100 bar (1500 psi) pressure
- Double output manifold
- High pressure resolution (0.1 mbar)
- Precision screw press for fine adjustment
- Smooth pressure generation
- Pneumatic
- Compact design ideal for field or lab use
- Suitable for use with calibrators and gauges



Ordering information

7193B	Benchtop Mid-Range Pneumatic Calibration Pump (Vacuum to 100 bar)
TEG-G70b	Digital Pressure Gauge (0 to 70 bar, 0.2/0.1/0.05 % FS accuracy available)