



### Description

The 7190 is a hand operated pressure pump designed to generate either vacuum to -0.4 bar (-6 psi) or pressures to 0.4 bar (6 psi). A high-quality screw press is designed for fine pressure adjustment, with adjusting resolution up to 0.0001 mbar (0.01 Pa). To reach the pressure stability as high as possible during the micro-pressure calibration, an isothermal bellows chamber is designed for reducing the possible heat effects such as environmental temperature change.

The 7190 is designed without a non-returning valve meaning minimal maintenance is required. 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 7190 is ideal for applications requiring accurate low pressure testing and calibration. It can be used in calibrating low pressure gauges, transmitters, or other pressure measuring instruments. Time Electronics also offer a range of digital pressure gauges ideal for use with the 7190. Each gauge offers precision and durability, making them suitable for laboratory or field applications.

### Features

- -0.4 bar to 0.4 bar pressure
- Double output manifold
- Adjustment control: 0.0001 mbar (0.01 Pa)
- High resolution and stability
- Smooth pressure generation
- Pneumatic
- Compact design ideal for field or lab use
- Suitable for use with calibrators & gauges

### Specifications

<b>Media</b> .....	Air.
<b>Generated pressure range</b> .....	0.4 bar vacuum to 0.4 bar pressure. (6 psi vacuum to 6 psi pressure).
<b>Pressure resolution</b> .....	0.0001 mbar / 0.01 Pa.
<b>Material</b> .....	Ram/adapters: SST. Body: SST/aluminum. Seals: Buna-N.
<b>Connection</b> .....	Finger-tight connectors for both test gauge and reference gauge.
<b>Pressure connections</b> .....	2 x 1/4 " BSP. Optional 1/4 " NPT (7190-NPT).
<b>Height</b> .....	145 mm.
<b>Base</b> .....	245 mm x 165 mm.
<b>Weight</b> .....	1.6 kg (3.5 lbs).
<b>Options</b> .....	Digital gauges, carry case (7190-CC), maintenance kit (7190-MK).



### Ordering Information

<b>7190</b> .....	<b>Benchtop Low Pressure Calibration Pump</b> (0.4 bar vac to 0.4 bar)
<b>TEG-CV400mb</b> .....	Digital Pressure Gauge (-400 to 400 mbar, 0.2, 0.1, 0.05 or 0.02 % FS accuracy available)

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