

ML5000

FUNCTIONAL ALTIMETER TESTING CHAMBER



The Altimeter Testing Chamber is designed to test up to 8 altimeters simultaneously inside 2 chambers where the altitude is simulated by reducing internal pressure up to a maximum operating altitude of 25,000'.

All controls required to operate the Test Chamber are located on the front main control panel, convenient to the operator. Each control is labeled to indicate its function. No special tools are required for maintenance of the Test Chamber.

The test chamber is housed in a rugged carrying case to ensure product safety and portability.

SPECIFICATIONS

Carrying Capacity

- 2 independent test chambers
- placement of up to 4 altimeters per chamber
- chambers elevate on a hinge for altimeter placement

Altitude Simulator

- 0 to 10 000 ft altitude
- 0 to 175 ft per second climb and descend rate
- 25 000 ft pressure release valve

Vacuum Chamber

- 1.0 to 0.4 atm or 0 to 20 000 ft' simulated altitude
- vacuum to ambient pressure only

Pressure Chamber

- Above Sea level reading from 10 000' ASL

Dimensions

- 3.5"Ø x 15.5" length inside chamber
- **Box Chamber dimensions, 8 altimeters**

Seal

- 1.5" tapered rubber stopper for cylinder vacuum
- 0.25" PMMA thick cylinder

Power Requirements

- standard configuration: 120 VAC, 50/60 HZ, 5 amp, with ground pin
- 3 amp fuse

Weight

- 65 lbs

Temperature Range

- -40 to +80 C°

Foam Insert Polymer

- open cell foam for pressure differential
- V-end for air evacuation

Rugged Carry Case

- water resistant protective case
- auto pressure release valve
- 5 press & pull closing latches
- dimensions: 31.3" x 20.4" x 12.2"
- 2 wheels
- retractable carrying handle
- HPX resin for high impact resistance in high temperatures