

MARTEL

ELECTRONICS



Calibration Technology Starts Here

*Portable High Pressure
Pneumatic Hand Pump*

*Accuracy
by
Any
Measure*

MARTEL MECP2000

Finally an alternative to hydraulic pumps or heavy nitrogen cylinders for high pressure calibration!

The new Martel/Beta high pressure hand pump is a revolutionary portable pneumatic pump that can generate pressures up to 2000 psi (140bar) and vacuum to -14 PSI (-0.9bar) quickly *and easily*. The MECP2000 uses a unique dual stage pump design where a low pressure, high volume chamber is used to pre-charge a secondary high pressure chamber. This allows the pump to reach high pressure quickly and with a minimal amount of effort. The pump motion stays smooth through the entire stroke. A precise vernier control allows pressure to be fine tuned with high resolution. The vernier chamber provides enough range so it can be used to generate low pressures (200" H₂O or 500mbar) with no pumping. Both high and low pressure calibrations can be done with one device.

Applications

- High pressure calibration where hydraulic pumps are not preferable
- Eliminate the need for nitrogen cylinders or use as back-up to nitrogen
- Complete flow computer calibration solution for custody transfer applications
- Bench-top gauge comparator
- General pneumatic calibration

General Features

- Generate -14 psi (-0.9bar) to 2000 psi (140bar) by hand
- Precision vernier allows fine adjustment at both high and low pressures
- Vent valve offers precise control and vents at the pressure connection to prevent pump contaminates
- Use as both a portable or bench-top pump
- Double output manifold with 1/4 NPT female fittings includes BSP adapters
- Extremely rugged design, will stand up to field use
 - Isolation valve protects pump and increases fine control range



