

*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" H<sub>2</sub>O 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



For more information:

- Call us toll free at 800-821-0023 or 603-434-1433
- Fax us at 603-434-1653
- Email us at [sales@martelcorp.com](mailto:sales@martelcorp.com)
- Go to our website, [www.martelcalibrators.com](http://www.martelcalibrators.com) and click on MECP2000

### Specifications

<b>Pressure range:</b>	-14 psi (-0.9bar) to 2000 psi (140bar)
<b>Pressure Connections:</b>	2 x ¼ FNPT (2 BSP adapters are included)
<b>Size (without gauge):</b>	21.5" x 10.6" x 4.5" / 55cm x 27cm x 11.5cm
<b>Weight:</b>	15 lbs (6.8 kg)

### MECP2000 Ordering Information

Part Number	Description
1919967	MECP2000 High Pressure Pneumatic Test Pump with (2) ¼" BSSP adapters and PTFE thread sealant tape
<b>Optional Accessories:</b>	
1010074	High pressure hose kit
6161255	Rugged carrying case
TBD	Quick test fitting (NPT style) ¼ MNPT to ¼ FNPT
TBD	Quick-Test fitting (BSP style) ¼ MBSPP to ¼ FBSPP



### MECP2000 with BetaGauge PI-PRO setup as a gauge comparator



Gauge shown as part of kit option.