

Molten PGP Digital Air Gauge



Specifications:

- Measurement range: 5-1200hPa; 0.005-1.2bars; 0.05-17psi
- Increments: 5hPa; 0.005bar; 0.05psi
- Allowable heat and humidity: 0-40°C; 0-90%RH
- Power source: lithium battery CR2032 (1)
- Battery life: approximately 8 months at 15 minutes use per day
- Dimensions: width 3.4cm x height 14cm x depth 3.1cm; weight 70g
- Inflation needle: MCAR2
- Material: ABS
- Carrying case: included

Warning:

- Please keep batteries away from children. In the unlikely event that a child swallows a battery, please consult a physician immediately.
- Do not charge, short-circuit, disassemble, or heat the battery. The battery could leak or burst.

Caution:

- Be careful to insert the battery with the positive (+) side up.
- Do not use the PGP for anything other than balls.
- Do not apply pressure greater than 1200hPa, 1.2bar or 17psi.
- Do not use the mini pump with the ball needle or the opening where the needle attaches at the bottom of the PGP blocked. The sensor will be subjected to excessive pressure and could be destroyed.
- Protect the PGP from being dropped or being subjected to any sharp impact.
- Do not get the PGP wet.
- Do not allow dirt or sand to get into the mini pump.
- Do not use or store the PGP where there is danger of high temperature, high humidity or freezing
- Do not store the PGP in direct sunlight.
- Do not disassemble or modify the PGP. Please consult the dealer for repairs.

Use and Operation:

1. To avoid damaging ball valve, moisten needle with included lubricant or soapy water.
2. Turn power on by depressing the **ON** button. All icons in the display will appear briefly, then display will read "0 hPa".
Note: a. If you insert the needle into the ball before turning the PGP on, you will not get an accurate reading.
b. When turning the PGP on and off, wait at least 5 seconds each time. Turning the unit on and off too fast can cause the computer to malfunction. If the computer does malfunction, reset the unit by removing and re-installing the battery.
c. When all displays come on initially, the battery change icon will appear. This does **not** mean the battery should be replaced.
3. Depress the UNIT button to change measurement units to bars or psi.
4. Insert needle into ball valve.
5. If the air pressure is too high, use the air release valve at the bottom of the PGP to adjust to the proper pressure. If the air pressure is too low, use the built-in mini pump to add air.
6. After measurement, turn the PGP off by depressing the OFF button. The pump will turn itself off automatically in 90 seconds after the needle is removed (auto-off function).

Replacing the Battery

When the battery runs low, the battery change icon will appear on the display. A new CR2032 lithium battery should be installed.

1. Remove screw from battery cover, open cover and remove battery.

2. Insert new lithium battery (CR2032) with the positive (+) side up and visible.
3. Close cover and tighten screw.

Please be aware that the battery that comes installed in the unit was used for operation testing, so we cannot guarantee it will meet the specified battery life.

Filter maintenance:

The filter should be cleaned at least once or twice per month. If the filter is clogged, the air relief valve may not function properly. Please remove the needle and clean all foreign matter out of the filter.

Troubleshooting:

Symptom	Cause	Solution
Battery change icon appears	Battery near end of life	Replace with new lithium battery CR2032
No display	Battery dead	Replace with new lithium battery CR2032
	Battery spring twisted	Adjust the battery spring terminal to make sure it touches the battery firmly.
Abnormal display	Computer malfunction due to shock or static electricity	Turn power off for a few seconds, then back on. If the problem persists, remove, and replace the battery.
Air leak	Needle loose	Tighten needle
	O-ring missing	Put O-ring back into opening where needle is installed.

Warranty:

Molten USA, Inc. (Molten) warrants your PGP against defects in material or workmanship for one (1) year from the date of purchase. If Molten determines the product to be defective in materials or workmanship, Molten will replace the product at no charge. To obtain warranty service in the United States including U.S. Territories and in Canada, please call 775-353-4000 to obtain a Return Authorization number prior to sending in the defective unit. You may send your defective product, postage prepaid, to: Molten USA, Inc., 1170 Trademark Drive, Suite 109, Reno, Nevada 89521. Please include the Return Authorization number and a written description of the problem encountered.

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