



High Accuracy — Pressure
Battery Operated



High Accuracy — Vacuum
Battery Operated



High Accuracy—Pressure
4/20mA Output



Industrial—Pressure
Battery Operated



High Accuracy Digital Pressure Gauge Battery Operated

ON/UNIT/OFF

- Press **ON / UNIT / OFF** to turn unit on.
- Press again when the unit is on to change the unit of measure from PSI, BAR or MPA.
- Hold the **ON / UNIT / OFF** for three seconds and release to turn the unit off.

LIGHT/P-H

- Press the **LIGHT / P-H** to turn on the back light.
- Hold the **LIGHT / P-H** for three seconds to display the maximum pressure that the device has measured.
“OL” is greater than the maximum range of the unit. The maximum number will be blinking.
- Hold the **RESET / CLEAR** button for three seconds to clear the maximum number.
- Hold the **LIGHT / P-H** button for three seconds to go back to the normal display.

RESET/CLEAR

- In a normal function if you press the **RESET/CLEAR** the display will not change.
- If you hold the **RESET/CLEAR** for three seconds it will reference the gauge to whatever pressure is currently applied to the unit.

For example; if you have 20psi on the display and you hold down **RESET/CLEAR** then the display will show 0.0 and a measurement of 30psi would then read as 10psi on the display.
- Hold **RESET/CLEAR** for three seconds to reset unit to original setting. Unit must be disconnected or have an input of 0psi.



High Accuracy Digital Vacuum Gauge Battery Operated

ON/OFF

- Short press to power on, long press to power off.

UNIT CHANGE

- Short press to switch units. (Different pressure ranges have different units available)

ZERO CLEARING

- Without pressure, long press 'ZERO' button for 4 seconds to zero clearing.

BACK-LIGHT

- Short press back-light button, back-light on for 20 seconds. Long press back-light button for 3 seconds, the back-light will keep on.

ADJUST OF FILTER CONSTANT

- Short press 'back-light' and 'ZERO' buttons together, it shows 'r-03', and means the filter constant is 03. Then change the value through pressing 'ZERO' button, the value is between 01~10. After setting, press back-light button to save and quit.



High Accuracy Digital Pressure Gauge 4/20mA Output

BUTTON GUIDE:

- **Change pressure reading units** by pressing the UNIT/SET button until the arrow point to the units of preference.
- **Check low pressure setting** by pressing and releasing the → button (Displayed for 30 seconds)
- **Check high pressure setting** by pressing and releasing the ↑ button. (Displayed for 30 seconds)
- **See maximum peak pressure** by pressing and holding the → button for 3 seconds (Display will blink)
- **Reset maximum peak pressure** by pressing and holding the ↑ button for 3 seconds.
- **Return to pressure measurement mode** by holding the → button for 3 seconds (Display will not blink)
- **Reference the MG-MD to the input port** by pressing and holding both the → button and the ↑ button simultaneously for 3 seconds
- **Reset the MG-MD reference** by either disconnecting the input port or attaching a 0 psi input then press and hold down the → button and the ↑ button simultaneously for 3 Seconds

PROGRAMMING THE HIGH AND LOW PRESSURE SET POINTS:

1. **Enter Programmable Set Point Mode** by pressing and holding the **UNIT/SET button** for 3 seconds. The screen shows ↑ on the top, left hand side indicating high pressure setting, and the first digit will be flashing.
2. Set the first digit value by pressing the ↑ **Button** (select from 0 to 9). Then press the → **Button**, which shifts to the second digit. Again use the ↑ **Button** to select 0 thru 9 followed by the → **Button** to complete the third and forth digits.
3. After all 4 digits of the high pressure settings are done press the → **Button** one more time, the screen will show ↓ on the top, left hand side indicating low pressure setting. Repeat step 2 above to set the 4 digits of the low pressure settings.
4. After all 4 digits of the low pressure settings are done press the → **Button** one more time, the screen will show "Load", indicating your pressure settings have been saved into memory.
5. To make sure that the settings are correct, you can press the → **Button** to check the value of the low pressure setting and press the ↑ **Button** to check the value of the high pressure setting.

Wiring Instructions:

- **Power to the unit:** There is no ON/OFF button on the MediaGauge™ MG-MD model. The MG-MD unit is powered on and off via the external 12V supply voltage source.
- **Electrical Interface:** (MG-MD harness connections)
- **White wire:** Power Lead for supply input (12 Vdc)
- **Black wire:** Return Lead
- **Brown wire:** Limit Switch output (NPN Transistor output)
- **Blue Wire:** 4-20 mA output for meter. (Must be loop grounded with black wire)
- **Note:** The 4-20mA (Blue Wire) must be connected directly to ground when not being used for monitoring purposes.



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Part Number Guide

High-Accuracy Pressure Battery Operated	
Part #	Range (psi)
6893604	5
6892032	15
6834902	30
6834904	50
6834906	100
6834908	200
6834910	300
6834912	500
6834914	1000
6834916	3000
6834918	5000
6892020	2000
6893510	-15/15
6893516	-15/100
6893520	-15/200

High-Accuracy Vacuum Battery Operated	
Part #	Range (psi)
6893500	15 psia
6893502	-15 psig

High-Accuracy Pressure 4/20mA output	
Part #	Range (psi)
6893638	5
6893644	15
6893646	30
6893648	100
6893650	200
6893652	300
6893656	1000

Industrial Pressure Battery Operated	
Part #	Range (psi)
6895050	5
6895051	30
6895052	100
6895053	200
6895054	500
6895055	1000
6895056	3000
6895057	5000
6895058	30
6895059	100
6895060	300