PM500-STN Quick Reference Guide

Power On & Off

- To turn on, press and hold the calibration or bump test button for two seconds
- Automatic sleep mode after five minutes of inactivity
- To turn off, press and hold the calibration and bump test button for two seconds.

LED Indication

LED	Description
Bay LEDs	Stand by
	Injecting fresh air
	Gas selection & bump/cal
	Purging remaining gas
	Saving log data
	Test passed
	Test failed
Power LED	Green: Power On
	Red: Low Battery
	Orange (Solid): Warmup (Blinking): No SD card or storage full

Gas Cylinder Setup

- Attach the demand flow regulator to the cylinder.
- Connect the regulator to one end of the tubing.
- Check the pressure gauge on the regulator.
- Connect the other end of the tubing to the inlet port..



Notes

- A 32 GB SDHC Class 10 SD card is provided. This must be installed to store data/event logs and bump test/cal results. SDXS and UHS-II SD cards are not currently supported.
- The latest PM500 firmware will be updated automatically.
- For bump testing, ensure the cylinder gas concentration is above the "Low Alarm" setting in the PM500.
- For calibration, ensure the PM500 "Cal Concentration" setting is the same as the cylinder gas concentration.
- Any monitor that fails a bump test must be calibrated before use.
- Do not use a monitor that fails a calibration.
- When connecting a PM Link device to customize settings, make sure to click the "Write" button to save.

Bump Test and Calibration

- Insert the PM500 into the monitor bay with the display facing up.
- Press the bump test or calibration button for two seconds.
- The bump test or calibration button LED will start blinking and the gas selection menu will appear on the PM500.
- Select the appropriate gases on the PM500.
- Press the bump test or calibration button for two seconds.

Results

- All six blue LEDs will be illuminated if successful.
- Only the third blue LED will illuminate if failed.

Troubleshooting

- Bay LEDs do not turn on or test/cal not performed:
  - Dirty PM500 IR Window
  - IR interference
  - PM500 is in alarm
- Bump test or calibration fails for multiple monitors:
  - Gas cylinder is empty or expired
  - Incorrect gas concentration(s)
  - Wrong gas type(s)
  - Wrong sensor(s) selected
- Test results do not save:
  - SD card is not inserted
  - Storage is full or wrong type
- If you are unable to resolve the issue, contact Macurco Technical Support.

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