

Appendix A - Quick Reference Card

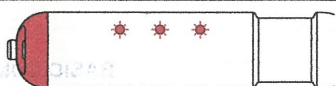
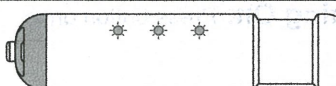
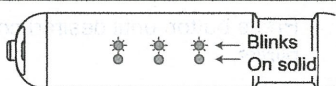
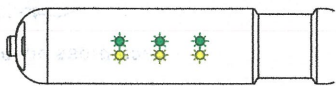
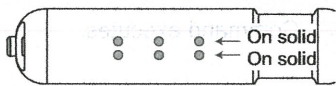
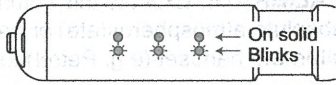
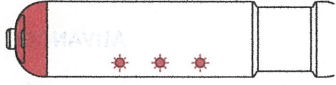
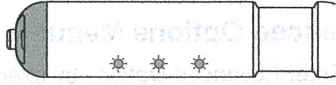
Print out this card (2 sides) as a quick reference for the HUD displays and commands. Print at 75% scale for a compact option.



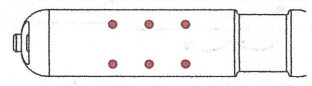
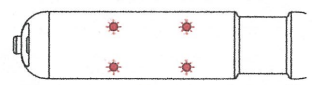
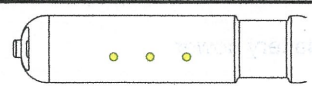
Quick Reference Card (Button Version)



PPO2 Display:

PPO2 (ata)	Modified Smither's (default)	Color Blind Option
Above 1.6	 Top-red blinks each 0.1 above 1.0	 Top row blinks each 0.1 above 1.0
1.1 to 1.6	 Green blinks each 0.1 above 1.0	 Middle-top blinks each 0.1 above 1.0
1.0	 Green & Yellow blink once	 Both middle rows on solid
0.4 to 0.9	 Yellow blinks each 0.1 below 1.0	 Bottom-middle blinks each 0.1 below 1.0
Below 0.4	 Bottom-red blinks each 0.1 below 1.0	 Bottom row blinks each 0.1 below 1.0

Error Display:

Display	Display Description	Error Description
	Top and bottom red LEDs on solid	Sensor has failed PPO2 calibration. One or more columns may display this error.
	Four corners blinking	No communications with O2 sensor electronics
	After turn on, the yellow row stays on for 30 seconds	Battery is low and should be changed

RevD

Quick Reference Card (Button Version)



SHEARWATER
HUD



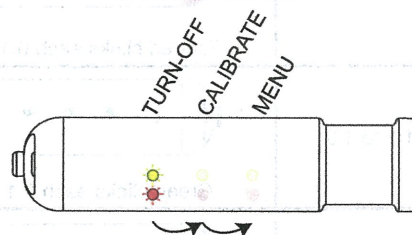
Entering Commands: The rear wet contact acts as a mechanical push button.

Turning On: Press button once.

Basic Commands:

1. Press button until desired column blinks.
2. Hold for 3 seconds.
3. LEDs blink twice to confirm.
4. Command executes.

BASIC COMMANDS



Each press advances one column

TURN-OFF: Turn-off to save power. HUD will auto shutdown if not wet for 30 minutes.

CALIBRATE: Execute this command to perform PPO2 calibration. Calibrates to a PPO2 of 1.0 absolute atmospheres(ata) or bar. i.e. assumes 100% O2 at sea-level. Unplug HUD and use alternate handset (e.g. Petrel) for high-altitude calibration.

MENU: Execute this command to enter the Advanced Options menu (see below).

Advanced Options Menu:

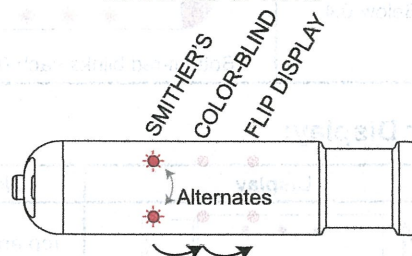
Enter Advanced Options by executing MENU command (see above).
Press to select. Hold 3 seconds to confirm.

SMITHER'S: Default Smither's code blink pattern.

COLOR-BLIND: Optional blink pattern that does not require color to determine PPO2.

FLIP DISPLAY: Allows mounting HUD on either side of rebreather mouthpiece.

ADVANCED OPTIONS



Each press advances one column

Troubleshooting:

Bizarre displays or commands and PPO2 backwards? Flip HUD and do "Flip Display" command.

Dry the wet contacts and turn-off when not in use to conserve battery power.

Button not working? Ensure wet contacts are dry, as button disabled when diving (wet).

RevD

