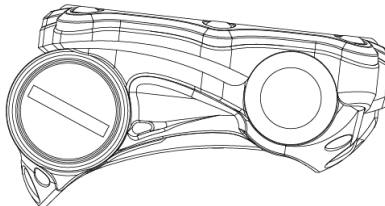
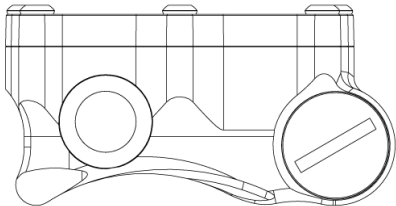




Perdix vs. Petrel 2 Comparison

Feature	Perdix	Petrel 2																				
Size (dimensions)	81 x 71 x 38 mm (3.2" x 2.8", 1.5")	83 x 74 x 39 mm (3.26" x 2.9" x 1.53")																				
	 																					
	Despite the similar bounding box dimensions, the Perdix is thinner and more highly contoured for a reduced profile on the wrist. Note: The Perdix image has been flipped for the above comparison																					
Size (volume)	110 cm ³	160 cm ³																				
Weight	152 g (0.34 lbs) includes AA alkaline battery	218 g (0.48 lbs) includes AA alkaline battery																				
Apparent Weight in Water (a value of 0 is desirable, as indicates neutrally buoyant)	42 g (0.09 lbs) includes AA alkaline battery	60 g (0.13 lbs) includes AA alkaline battery																				
Display	2.2", QVGA, Full-Color LCD with always on LED backlight	2.4", QVGA, Full-Color LCD with always on LED backlight																				
Display Color Range	35% NTSC	22% NTSC																				
Wrist Attachment	2 x ¾" Elastic Straps with locking buckles + Integrated Bungee Holes (3/16" cord)	2 x ¾" Elastic Straps with locking buckles																				
Battery Life (Saft LS14500, 3.6V Lithium)	<table><tr><th>Brightness</th><th>Hours</th></tr><tr><td>Cave</td><td>230</td></tr><tr><td>Low</td><td>200</td></tr><tr><td>Med</td><td>130</td></tr><tr><td>High</td><td>100</td></tr></table>	Brightness	Hours	Cave	230	Low	200	Med	130	High	100	<table><tr><th>Brightness</th><th>Hours</th></tr><tr><td>Cave</td><td>160</td></tr><tr><td>Low</td><td>130</td></tr><tr><td>Med</td><td>100</td></tr><tr><td>High</td><td>70</td></tr></table>	Brightness	Hours	Cave	160	Low	130	Med	100	High	70
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Perdix vs. Petrel 2 Comparison

Feature	Perdix		Petrel 2	
	Brightness	Hours	Brightness	Hours
Battery Life (1.5V Alkaline)	Cave	100	Cave	70
	Low	76	Low	46
	Med	50	Med	38
	High	36	High	26
User replaceable battery	YES Double O-ring seal		YES Single O-ring seal	
Deco Tissues and Clock restored on battery change	YES stored in permanent memory every 16 seconds		YES backed up by super-capacitor	
Settings retained on battery change	YES all setting saved in permanent memory		YES all setting saved in permanent memory	
Decompression Model	- Bühlmann ZHL-16C with GF (standard) - VPM-B (optional upgrade)		- Bühlmann ZHL-16C with GF (standard) - VPM-B (optional upgrade)	
Models	Stand alone		- Stand alone - Fischer (connector for rebreather PPO2 monitoring) - DiveCAN (only sold as rebreather original equipment)	
Operating Modes	- Open Circuit Tec (Trimix) - Closed Circuit - Fixed PPO2 - Open Circuit Rec (Air and Nitrox) - Gauge (Bottom Timer)		- Open Circuit Tec (Trimix) - Closed Circuit - Fixed PPO2 - Open Circuit Rec (Air and Nitrox) - Gauge (Bottom Timer) - Closed Circuit - External PPO2 (Fischer & DiveCAN models only) - Semi Closed - External PPO2 (Fischer model only)	
Gases	5 each mode (Air, Nitrox, Trimix)		5 each mode (Air, Nitrox, Trimix)	
Gauge (Bottom Timer) Mode	YES		YES	



Perdix vs. Petrel 2 Comparison

Feature	Perdix	Petrel 2
Communications to laptop / desktop / mobile	Bluetooth Smart Ready (dual mode 2.1 / 4.0)	Bluetooth Smart Ready (dual mode 2.1 / 4.0)
Firmware Upgrades	YES via Bluetooth	YES via Bluetooth
Dive Planner	YES	YES
Units	Metric and Imperial	Metric and Imperial
Buttons	2 Piezoelectric buttons	2 Piezoelectric buttons
Compass	YES Tilt compensated	YES Tilt compensated
Launch Date	Jan 2016	Oct 2014 – Petrel 2 Sept 2012 – Petrel 1

Summary

The Perdix improves on the Petrel 2 by featuring:

- Significantly reduced thickness
- Double O-rings on the battery cap
- Integrated bungee mount holes
- Improved color on the display
- 30% longer battery life

The firmware feature set is identical to the Petrel 2. The Perdix inherits Shearwater's mature, easy to use, and well validated firmware. Both the Perdix and Petrel 2 will continue to be supported moving forward with free firmware updates.

The Perdix is a stand alone only product, meaning that there is no model with a connection to a closed circuit rebreather. The Perdix does have a closed circuit mode using fixed PPO2 setpoints (as does the Petrel 2). The Petrel 2 Fischer and DiveCAN models will continue to be sold for users requiring a connection to a rebreather.

The Perdix display is slightly smaller than the Petrel, at 2.2" vs. 2.4". The Perdix display, however, features better color, higher contrast, and lower power consumption.