

Suunto HelO₂

Blue to black and back

Suunto HelO₂ is an advanced mixed-gas dive computer for divers who use multiple gases such as trimix, nitrox, and oxygen to go deeper for longer. Featuring the Suunto Technical RGBM algorithm and a Multi-gas Dive Planner, the device is designed to make your whole technical diving experience simpler, faster, and more flexible.

Rated to 120 m/393 ft and with full mixed-gas capability, Suunto HelO₂ incorporates the Suunto Technical RGBM algorithm. The algorithm extends decompression flexibility into the world of technical diving by allowing continuous decompression.

The algorithm introduces helium tissue groups into the decompression model to enable trimix diving, as well as diving on air and nitrox. It allows you to program eight gases as primary or secondary gases, and enables an oxygen content of 8-100%, and a helium content of 0-92%. In addition to increasing decompression flexibility, the algorithm also reduces your decompression task load by removing the need to constantly monitor a slate and watch.

Of course, before you can descend to 100 m or start exploring a cave system, you have to carefully plan your dive. The Suunto Multi-gas Dive Planner - part of the updated Suunto Dive Manager PC software - is designed to simplify the planning of dive profiles, gases, and back-up plans. The easy-to-use graphical planner allows you to try variations of depth, time, gases, and partial pressures without having to continually recalculate. The planner calculates all changes instantly and presents the results on an easy-to-read graph.

When ready, you can simply transfer information relating to planned gases, and other dive-critical data, from the PC to your dive computer with the included USB cable - removing the need to copy all the calculations onto a slate. The dive planner also gives you gas mixing instructions for your planned dive, which you can print out and take to a dive shop if you're not mixing yourself.

The Suunto Multi-gas Dive Planner enables you to plan dive series based on your actual dive profiles - not planned dive profiles - making the plans for later dives in the series more accurate. The planner also allows you to compare the planned dive and the actual dive by supporting the analysis of up to eight gases. This also helps you pinpoint elements of both your planning and diving that may need some fine-tuning.

So when you're ready to take your diving to the next level, plan your dive with the Suunto Multi-gas Dive Planner then dive your plan with Suunto HelO₂.

TECHNICAL SPECIFICATIONS

Suunto Hel02

The ✓ sign indicates the feature is available for the chosen product.



Diving	
Air integration	✓
Log book memory	✓
Personal adjustment	✓
Safety stop	✓
Temperature display	✓
Wireless air integration	✓
Deep Stops	✓
Dive time in seconds	in gauge mode
Operation mode Nitrox	✓
Profile sampling rates in seconds	10,20,30,60s
Dive planner	✓
Operation mode Gauge	✓
Altitude adjustment	✓
Consumed bottom time graph	✓
Ascent rate monitor/alarm	✓
Ascent time display	Up to 199 min
Audible alarm	✓
Full decompression data	✓
Lifetime history memory	✓
Maximum depth alarm	✓
Maximum depth display	150 m (492 ft)
Operation mode Air	✓
Suunto technical RGBM model	✓

Nitrox	
CNS% + OTU calculation (OLF)	✓
Gas switching during dive	✓
Max PO2 adjustment	0.5-1.6
O2 % setting	Up to 8 gases containing 8-99%
Other	
Operating temperature	0°C - +40°C/32°F - +104°F
Storage temperature	-20°C - +50°C/-4°F - +122°F
Selectable metric/imperial units	✓
Menu-based user interface	✓
Backlight type	Electro-luminescent Display
Adjustable backlight duration	✓
PC Software	
Software name	Suunto Dive Manager and Multi-gas Dive Planner
Power	
Battery power indicator	✓
Low battery warning	✓
User replaceable battery	✓
Trimix	
Helium	Up to 92%
Oxygen	8-99%
8 gas mixes	✓
Watch	
12/24h	✓
Calendar clock	✓