

G2C AVELO MODE

USER MANUAL

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DOWN
YOU
WANT
THE
BEST

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WARNING

Diving has many inherent risks. Even if you follow the instructions of this manual in a careful manner it is still possible that you may be seriously injured or die while using Avelo mode. Unless you are fully aware of these risks and are willing to personally accept and assume responsibility for those risks. do not use Avelo Mode.

WARNING

When using Avelo Mode you must use the rules and apply the skills taught in the Recreational Avelo Diver course... It is mandatory to have successfully completed a scuba diving course covering both the theoretical and technical aspects of diving and the Recreational Avelo Diver course before using this computer mode.

WARNING

This instruction manual does not replace a Recreational Avelo Diver course.

WARNING

Do not use Avelo mode while diving with a conventional scuba diving system, tank, and BC. Failure to follow this warning may result in serious injury or death.

WARNING

Percentage of gas remaining represents a running calculation of gas remaining in the bladder based on the starting max pressure and the correctly entered bladder size. Divers should manage their gas based as described in the Recreational Avelo Diver course (RAD) section 3 using max pressure, turn around pressure, and reserve pressure. Failure to do so may result in an out of gas situation that could cause serious injury or death.

WARNING

Start all dives with a pressure not less than 200 bar (2900 psi) in the hydrotank.

G2C AVELO MODE USER MANUAL

Welcome to SCUBAPRO dive computers and thank you for purchasing the G2C. You are now the owner of an extraordinary partner for your dives. This manual provides you easy access to SCUBAPRO state-of-the-art technology and the G2C's key features and functions. Should you wish to know more about SCUBAPRO diving equipment, please visit our website www.scubapro.com





A IMPORTANT

Scubapro's G2 console is a cell phone-style portrait-shaped screen with a direct connection to the tank in place of a hoseless transmission. To learn how to use the G2C in general, please refer to Scubapro's manual here:

https://johnsonoutdoors.widen.net/content/ig32eljo0j/pdf/sp_galileo_2c_manual_2020_en.pdf



1. AVELO MODE SPECIFIC DATA DISPLAY

The Avelo Mode includes several data displays that are unique to Avelo:

% AIR LEFT - The gas (air) left in your Hydrotank, displayed as a percentage of initial. The Avelo Mode uses your initial Hydrotank pressure to calculate the amount of gas in it. When you start your dive, you will see "100% gas remaining". As you progress through your dive and consume your gas, the display will show a lower percentage. This display accounts for the pressure change that occurs when you pump or purge water into or out of the Hydrotank. When the percent remaining falls below 25, a reserve pressure warning will be shown. If you want to learn more about how this percentage is calculated, refer to RAD Section 4.

MAX PRESSURE - The maximum gas pressure measured in the Hydrotank during the current dive in bar or psi. This value is used for dive planning as explained in RAD Section 3.

TANK PRESSURE – The current pressure in the Hydrotank in bar or psi.

SAC-RATE – Is the current workload as measured by gas consumption rate in L/minute or Cu.ft./minute. This value is independent of depth (i.e. it is the surface adjusted value). Sometimes this value is called RMV (Respiratory Minute Volume). When buoyancy is optimized and you are diving relaxed, your workload will be minimized thus extending the remaining gas time.

LIFT – Lift is the current net buoyancy force you experience as a diver, represented in + or – signs. This calculation starts with the parameters entered in the Avelo Buoyancy menu and then tracks pumping, purging, gas consumption, and wet suit compression to determine the final buoyancy. During a dive, if you feel you are perfectly neutrally buoyant, then the ZERO button (bottom left) can be used to reset the buoyancy display to zero.

2. SETTING YOUR BUOYANCY VALUES

The G2 Console is set up for the following defaults:

Suit type: Shorty
Suit thickness: 3 mm
Suit size: Small

Tidal volume: 1000 ml

You can calculate your own tidal volume by using this link: Tidal Volume Calculator (http://tidalvolumes.com).

The BUOYANCY values will be calculated based on these defaults until you reset your buoyancy during the dive. To set it up for your specific data please refer to the following instructions.

2.16 G2 Console Avelo Settings

By pressing MENU from the time-of-day display you will enter the settings folder. Navigate to "2. Dive settings" > "2.16 Avelo settings".



2.16.1 Avelo mode

Here you can enable or disable the Avelo mode.



2.16.2 Suit Type

Here you can set the following suit parameters:

Type: Which type of wetsuit you are wearing (Full body, Shorty, No wetsuit).

Thickness: What thickness the wetsuit has.

Size: What size wetsuit you are wearing.

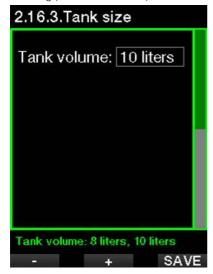
The parameters are used to calculate your suit exposure. Refer to the Avelo training materials for detailed explanations on how to calculate exposure.





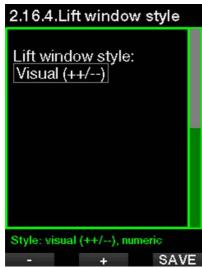
2.16.3 Tank size

Here you can select the Avelo tank size you are using (8 Liters or 10 Liters)



2.16.4 Lift window style

Here you can choose if your buoyancy is displayed visually with + and - or if the buoyancy is displayed as a number during an active dive.



2.16.5 Tidal volume

Here you can set your tidal volume in the range of 100ml to 3000ml. The tidal volume is the volume of your lungs in ml.

Refer to the Avelo training materials for detailed explanations.



displayed in Kg or lbs. As long as this value is within your comfortable breathing range, your workload will be as low as possible, and your diving efficiency will increase. Your comfortable breathing range is calculated based on your tidal volume. To learn more about it, please refer to RAD Section 4. After the dive, your Avelo instructor will teach you how to upload and interpret the dive data. This data will be available to you on your Avelo Dashboard.

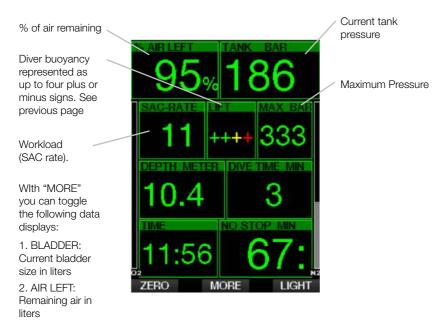
While diving, if the BUOYANCY value is more positive or negative than what can be comfortably managed by your Tidal Volume, it will be displayed as follows:

Default tidal volume: 1000 ml

Default tidal volume. 1000 mil		
Total buoyancy force is above 1500 grams (150% of tidal volume)	++++	Diver should run the pump to regain neutral buoyancy
Total buoyancy force is between 1000-1500 grams	+++	Diver should consider running the pump
Total buoyancy force is between 500-1000 grams	++	
Total buoyancy force is between 200-500 grams	+	
Buoyancy zeroed out	0	
Total buoyancy force is between 200-500 grams negative	LIFT 	
Total buoyancy force is between 500-1000 grams negative	LIFT ——	
Total buoyancy force is between 1000-1500 grams negative	LIFT	Diver should consider purging
Total buoyancy force is below -1500 grams	LIFT	Diver should purge



3. THE AVELO MODE G2 CONSOLE SCREEN



- 3. MAX M/FT: Maximum depth
- 4.TEMP: Temperature
- 5. TANK O₂: Air mixture
- 6. COMPUTER: Dive computer battery level
- 7. MB LEVEL: No-stop or Deco for MB level 0
- 8. MB LEVEL: Current MB level
- 9. CNSO2: Current CNSO2
- 10. AVG M/FT: Average depth
- 11. PPO, BAR: Current ppO, in bar
- 12. OTU: Current oxygen toxicity units



Your dive instrument is manufactured with high-quality components that can be recycled and reused. Nevertheless, these components, if not properly managed in accordance with the regulations on electrical and electronic equipment waste, are likely to cause harm to the environment and/or to human health. Customers living in the European Union can contribute to protecting the environment and health by returning old products to an appropriate collection point in their neighborhood in accordance with EU Directive 2012/19/UE. Collection points are provided by some distributors of the products and local authorities. Products marked with the recycling symbol on the left must not be disposed of in normal household waste.

