

Uwatec Aladin Tec 2G

A sophisticated algorithm with proven safety records: Bühlmann ZH-L8 ADT MB PMG (Adaptive Microbubble Predictive Multi-Gas)

Aladin TEC 2G predictive multi-gas algorithm performs its decompression calculation taking into account all planned gas switches throughout the dive. This means that the decompression schedule shown on the display gives you the actual total time of ascent. In the background however the algorithm also calculates the decompression schedule for the currently active gas only, so that if you fail to switch to the “deco gas” at the planned depth, the computer can quickly revert to this calculation. You can look up the active gas calculation at any time at the press of a button.

Flexibility and total control: switching gases with TEC 2G

For maximum convenience and full control, a gas switch is suggested automatically by the computer once the planned switch depth is reached, but the diver has to confirm the switch manually. A switch can also be initiated manually at any time, giving total flexibility in the use of the deco gas always with an up-to-date decompression calculation. With UWATEC multi-gas computers you can switch gases back and forth, so even in emergency or unplanned situations you'll always have an updated decompression schedule to reflect your changes.



Technical features for demanding divers

Unique within the Aladin line, TEC 2G offers specific features for technical divers who want total freedom in full safety:

Gauge mode: operates as technical depth gauge to a depth of 120m, with one-press stopwatch function. Unique in the diving industry, in this mode it displays a continuously updated average depth, which can be reset by the diver at any time.

Active backlight with push-on push-off function

Bookmark function during dive: highlight specific moments with a simple button press and add comments in the SmartTRAK profile later.

Altimeter: accurately measures altitude with a 15m resolution. The altitude alarm (patent pending) alerts the diver when approaching an altitude incompatible with saturation status due to a recent dive.

Available in multiple configurations:

wrist computer

3 gauge inline console, which incorporates analog 400-bar tank pressure gauge and FS-1 compass

Capsule to be installed into the 3 gauge 2/1, 2 gauge TWIN or the Navigation board.

Includes SmartTRAK & infrared technology

SmartTRAK is a dedicated software application which lets divers log, organize, analyze and print the details of each dive, storing data at a 4-second sampling rate for great accuracy; it also allows for customized dive computer settings, including features and alarms. It is available for all platforms, including Windows, Windows CE, Macintosh and Palm OS. This powerful, full-color software is supplied with every UWATEC dive computer. Free updates for this software are available for download at www.scubapro-uwatec.com.

UWATEC computers at a glance

	Aladin ONE	Aladin PRIME	Aladin TEC 2G	Smart COM	Smart Z	Smart TEC
Technology for safety						
Adaptive algorithm ZH-L8 ADT	•	•	•	•	•	•
MB - Microbubble reduction programme (adjustable)			•	•	•	•
PMG – Predictive Multi-Gas			2 gases			3 gases
Gas integration & transmission of data tank				HP Hose	Hoseless	Hoseless
True Remaining Bottom Time (RBT) calculation				•	•	•
Mid tank pressure warning				•	•	•
Adjustable tank reserve (20-120bar / 300-1750psi)				•	•	•
Automatic altitude adjustment	•	•	•	•	•	•
Maximum depth alarm			•	•	•	•
Technology for customization						
300bar compatibility				•	•	•
Nitrox compatibility (% oxygen concentration in 1% increments)	21-50%	21-50%	21-100%	21-100%	21-100%	21-100%
Oxygen toxicity/Central Nervous System (CNS) loading warning	•	•	•	•	•	•
partial pressure of oxygen (ppO ₂) in bar	Fixed 1.4	adj 1.0 to 1.6	adj 1.0 to 1.6	adj 1.2 to 1.95	adj 1.2 to 1.95	adj 1.2 to 1.95
Dive planner		no-stop plan	deco plan for 2 gases	no-stop plan	deco plan	deco plan for 3 gases
Bookmark function to highlight specific moments of the dive			•	•		•
Gauge mode: operates as depth gauge			•	•	•	•
Comfort and convenience						
Silent option: turns audible warnings off		•	•		• gauge mode	• gauge mode
Resettable average depth calculation			• gauge mode			
Stop watch function			• gauge mode			• gauge mode
Illuminated display	• passive	•	•	•	•	•
Full watch function	•	•	•			
Safety stop timer	3 min auto	3 min	1 to 5 min			1 to 5 min
Temperature display	Toggles with max depth every 4sec	•	•	•	•	•
Infrared technology	•	•	•	•	•	•
Desaturation reset function (with code)	• via SmartTRAK	•	•			
Technical features						
Profile storage (hours)	25	25	25	50	100	100
Replaceable screen protector	• 3M foil only	•	•	•	•	•
Depth limit	120m	120m	120m	120m	120m	120m
Oil-filled design				•	•	•
Air-filled design	•	•	•			
Weight (with battery)	147g	151g	157g	358g	208g	208g
Battery	User replaceable	User replaceable	User replaceable	Long life	Long life	Long life
Battery type	CR2450	CR2450	CR2450	UWATEC LR07	UWATEC LR07	UWATEC LR07