



Specifications uemis ZURICH

Housing and Fastening	
Straps	3 lengths, quick release for easy replacement by the user
Cover	6 colors, user-replaceable
Display protection	Scratch-proof mineral glass
Design	Monoblock (potted plastic)
Energy	
Energy storage	Lithium Polymer battery
Service time without recharging	Approx. 10 dive hours
Charging	Solar cell / USB / battery charger
Display	
Type	OLED display (multi-color)
Illumination	permanent
Function/Handling	
Languages	Multiple (En/De/Fr/Sp/It)
Switching on, manual	yes
Activation, automatic	yes
Operation	3 sliders (5-way navigation)
User profiles	yes
Multiple users for diving schools	planned
Menu-related user interface	yes
Watch and calendar function	yes
Setting of time and date	Synch with internet / manual
Depth	Fresh water and sea water
Adjustment to height	automatic
Temperature	yes
Dive spots data base	Dive spots, contacts (buddies), checklists, training, medical certificate
Communication	
PC interface	Native USB
Underwater interface	Bi-directional
Communication with the internet	USB connection via PC with internet access



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Firmware updates and upgrades	During synching via internet
Logbook	
Logbook program	Browser-based internet
Operating systems for access to SDA and logbook	Platform-independent
Logbook memory	Lifelong (approx. 2.000 hrs)
Recording intervall	5 sec
Logbook history	Lifelong
Dive number	yes
Dive replay	yes
Statistics	Overview and frequency distribution (histograms)
Synchronization	Via "User Space" on myUemis
Synchronization	Synchronization of dive spots and authorized DiveWorld contacts
Viewing logbook	On the SDA and from every PC with internet access (browser-based)
Algorithm	
Algorithm	Uemis ZH-L8+
Workload sensibility	Real time through air consumption
Cooling sensibility	Real time through cooling model
Micro bubble sensibility	Real time through micro bubbles model
Number of compartments	8
Range of half-times	5 .. 640 minutes
Security range	0 .. 100%
Deep stops	none, 1 or 2 minutes
Gas	Air or Nitrox (21 .. 100% O2)
Gas Integration	
Multigas computer	yes
Number of gas mixes	1 to 3
Tank pressure transmitter	0 to max. 3 transmitters (300 bar)
Dive functions	
Motion display for better understanding	yes



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Warnings with solutions	yes
Color codes	yes (green=ok, orange=caution, red=warning)
Acoustic warning signals (some can be switched off)	yes
Configurable depth alarm	yes
Dive time alarm	yes
Decompression alarm	yes
Auxiliary display for continuous decompression	yes
Safety stop with timer	Display analogous to decompression stop
Configurable safety stop	Depth 3/5m, time 1 ... 10 minutes
Ascent time	yes
Multi-gas ascent rate indicator	with current gas indication and optimum gas mix at the push of a button
Remaining gas time (RGT)	Yes (ascent-related)
Analog tank pressure display	At the push of a button
Effective air consumption	At the push of a button
Additional data display	At the push of a button (time, max. depth, min. temperature, digital CNS% and pO ₂)
Display of all deco stops	At the push of a button
Display of model parameters	At the push of a button
Display of tissue saturation	At the push of a button
pO ₂ setting	1,0 .. 1.6 bar
Battery alarm	yes
Display of important buddy data	At the push of a button, buddy data: User name, no stop time/deco time, gas, RGT, tank pressure
Display of Surface Functions	
User Name	yes
Time/date	yes
Environmental parameters	Temperature, air pressure
Surface interval time	Current value
No Fly Time	Current value
Do Not Dive Time	Current value



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Desaturation time	Current value
CNS O2%	Current value
Maximum height	Current value
Dive settings	Freshwater, seawater, gas settings, safety settings
Technical Data	
Weight	237gr
Operating temperature	-20 .. +50°C
Maximum depth, display	250m
Maximum depth, use	125m for air dive
Maximum dive time	99 hrs. 59 min.
Maximum height above sea level	5.000 MASL
Service	
Repair of electronic system	No repair, replacement
Battery change	Replacing battery
Replacement of strap	User-replaceable, quick release
Remote maintenance via internet	planned