

2022, Part I: PERDIX

SUB
MARINE
CONSULTING

the 42 m / 25 min test dive on air, with:

Scubapro Galileo G2, Shearwater PERDIX, Ratio iX3M DEEP,
Aladin TEC 2G:



installed firmware:

G2:

V 1.6 from 2021

iX3M DEEP:

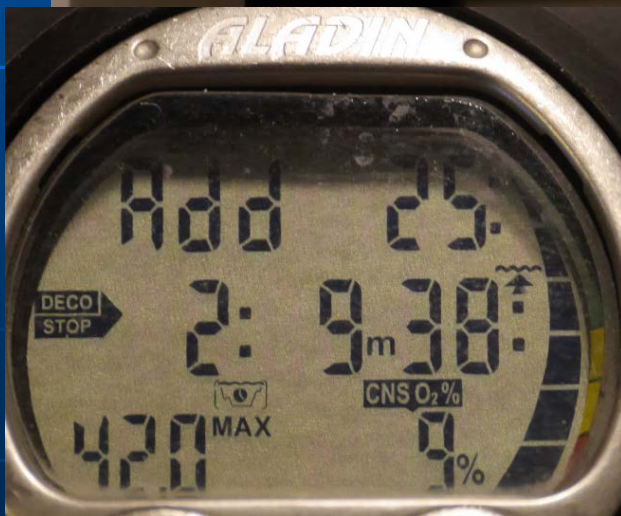


PERDIX:



2022, Part I:

the 42 m / 25 min test dive on air:



2022, Part I:

the 42 m / 25 min test dive on air;

Results, the TTS table:



SUB
MARINE
CONSULTING



System / Computer:	TTS [min]:	Rem.:
ZH-L16C (*)	23	fresh (DIVE V3_11)
PERDIX	22	Fresh, SeaLvl (*)
ZH-L16C	27	EN13319 (*) (DIVE V3_11)
PERDIX	28	EN13319, automatic
iX3M	30 / 32	fresh / salt
ZH-L16B	30	EN13319 (DIVE V3_11)
ZH-86 table: ZH-L16B	33	42 m / 27 min, slide # 7
Aladin TEC 2G	38 / 40	Salt: Off / On
Scubapro Galileo G2	42 / 45	Süsw. / Salzw.
		(*): pls. cf. legend next. slide

2022, Part I:

the 42 m / 25 min test dive on air;

legend:

	Rem.:
water density	fresh, salt, EN13319 (europ. norm); Süss-, Salz-,
PERDIX	Shearwater.com, with DCIEM software option
SeaLvl	option for $p_{\text{ambient}} = 1,013$ mbar, fix → automatic
ZH-86	A.A. Bühlmann air table, slide # 7
ZH-L16B	set of a-/b-coefficients for table calculations
ZH-L16C	set of a-/b-coefficients for dive computers
TTS [min.]	time-to-surface in minutes, i.e.: sum of all stop times + (bottom depth/ascent speed)

2022, Part I:

SUB
MARINE
CONSULTING

Ambient pressure:



986.7 hPa
mBar



2022, Part I

Further reading, and all the references therein:

- How to match a printed dive table with the dive computers planning tool:
DOI: <https://dx.doi.org/10.13140/RG.2.2.17024.56326>
and, as well: [DOI: 10.13140/RG.2.2.34235.13609](https://dx.doi.org/10.13140/RG.2.2.34235.13609)
- Perdix & ZH-L16C:
DOI: [10.13140/RG.2.2.18129.81763](https://dx.doi.org/10.13140/RG.2.2.18129.81763)
- Perdix & DCIEM:
DOI: [10.13140/RG.2.2.11469.72169](https://dx.doi.org/10.13140/RG.2.2.11469.72169)
- Scubapro G2 and firmware updates / Micro-Bubble Levels:
DOI: [10.13140/RG.2.2.16260.65929](https://dx.doi.org/10.13140/RG.2.2.16260.65929)
and, as well: DOI: [10.13140/RG.2.2.11343.41126](https://dx.doi.org/10.13140/RG.2.2.11343.41126)

42	9	3				1	4
	12	3		—		4	7
	15	3			1	5	9
	18	3			4	6	13
	21	3		2	4	10	19
	24	3		3	6	16	28
	27	3		4	7	19	33
	30	3		2	4	9	24

Comparison with ZH-86 Table:

Source: [65], p. 227; i.e.:

<http://www.divetable.eu/BOOKS/65.pdf>

"Tauchmedizin", Albert A. Bühlmann, Ernst B. Völlm (Mitarbeiter),
P. Nussberger; 5. Auflage in 2002, Springer, ISBN 3-540-42979-4