

# „SNAFU“, the 6th. !!!!!!!:

SUB  
MARINE  
CONSULTING



Ratio Toolbox 1.8.2

## RATIO COMPUTERS

Willkommen beim Ratio® Computer-Toolkit zum Einrichten und Warten Ihres Tauchcomputers.

Schließen Sie einen Gerät mit dem Ratio® USB-Kabel an den PC an dann gehen Sie auf "PC Mode" und drücken Sie die Taste "Verbinden".

Ratio Toolbox 1.8.2

### Ratio® iX3M GPS DEEP

Firmware 4.0.74/016 (Deutsch)

Seriennr. 003179

Verbunden mit COM6



Bitte wählen Sie die Operation, die auf diesem G  
soll

**RATIO iX3M DEEP:**

**after update to the latest Software Version: 4.0.74 / 016 in 07 / 2021  
via the latest RATIO Toolbox 1.8.2 →**

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RATIO iX3M DEEP: ERR 01 NICHT TAUCHEN  
reads in english: DO NOT DIVE !!!

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And, the next result (PLANER NICHT VORHANDEN) reads in english:  
„OC DIVE PLANNER NOT AVAILABLE!“

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And, the next results from the Log-Book, as well in english:  
„Do NOT Dive!“ If the compass error is related to the new firmware is as of  
this writing (July 2021) not really clear!

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After the update, then the box decided by itself to:

- periodically switch on (no user intervention)
- freezes the display in grey
- switches off, and
- de-activates the 4 push-buttons!

→ So this required a:

- complete battery run-down via „PC Mode“ to reset the piezo-sensor!
- and another full re-charging cycle there after



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Firmware 4.0.77/016 (Deutsch)

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Bitte wäh  
soll.



SNAFU, the 6th.: continued!

after update to the next latest Software Version: 4.0.77.**22** / 016 in 20.09.2021  
via the latest RATIO Toolbox 1.8.2 →

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4.0.77.22 / 016

20.09.2021 →



- with a pressure reading of 700 mBar somewhat out in the left field
- (the altitude with 3.3 km also ...)
- the correct ambient pressure on my desk would have been
- ca. 993 mBar + / - 2 mBar (and no water around ...)
- very shortly thereafter:
- the box displayed „reset“ (in red), then:
- „Kalibrierung“ (in yellow, this reads: „calibration“), then:

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4.0.77.22 / 016 20.09.2021:

- then it jumped directly into dive mode @ ca. 2.8 m
- which required the next battery run-down!





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The pressure / depth reading obviously dependant from the voltage:



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→ the run-down from 95 % to 0 %  
took approx. 18 h:



→ the leading 1 for ca. 1,068 min  
run-time is missing though,  
sometimes ...



→ 1 h later, still @ 0 %,  
but by now we have the leading 1 ...



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→ @ 0 % it jumped back in time  
to where the whole rigmarole started,  
with the usual „GEWEBERESSET“  
(tissue reset):



→ it then featured again the „grey, blank“:



→ and, after a creative trough, started  
this loop again for about 4 minutes,  
then the battery was completely dead.  
By recharging it looked like that,  
without a pressure reading:



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**SNAFU, the 6th.: continued!**

**after update to the next latest Software Version: 4.0.78.1 / 016 in 04.10.2021  
via the latest RATIO Toolbox 1.8.2 →**



# „SNAFU“, the 6th.: con't.

4.0.78.1 / 016 in 04.10.2021

After the usual battery run-down & pressure reset:  
the results still not convincing →

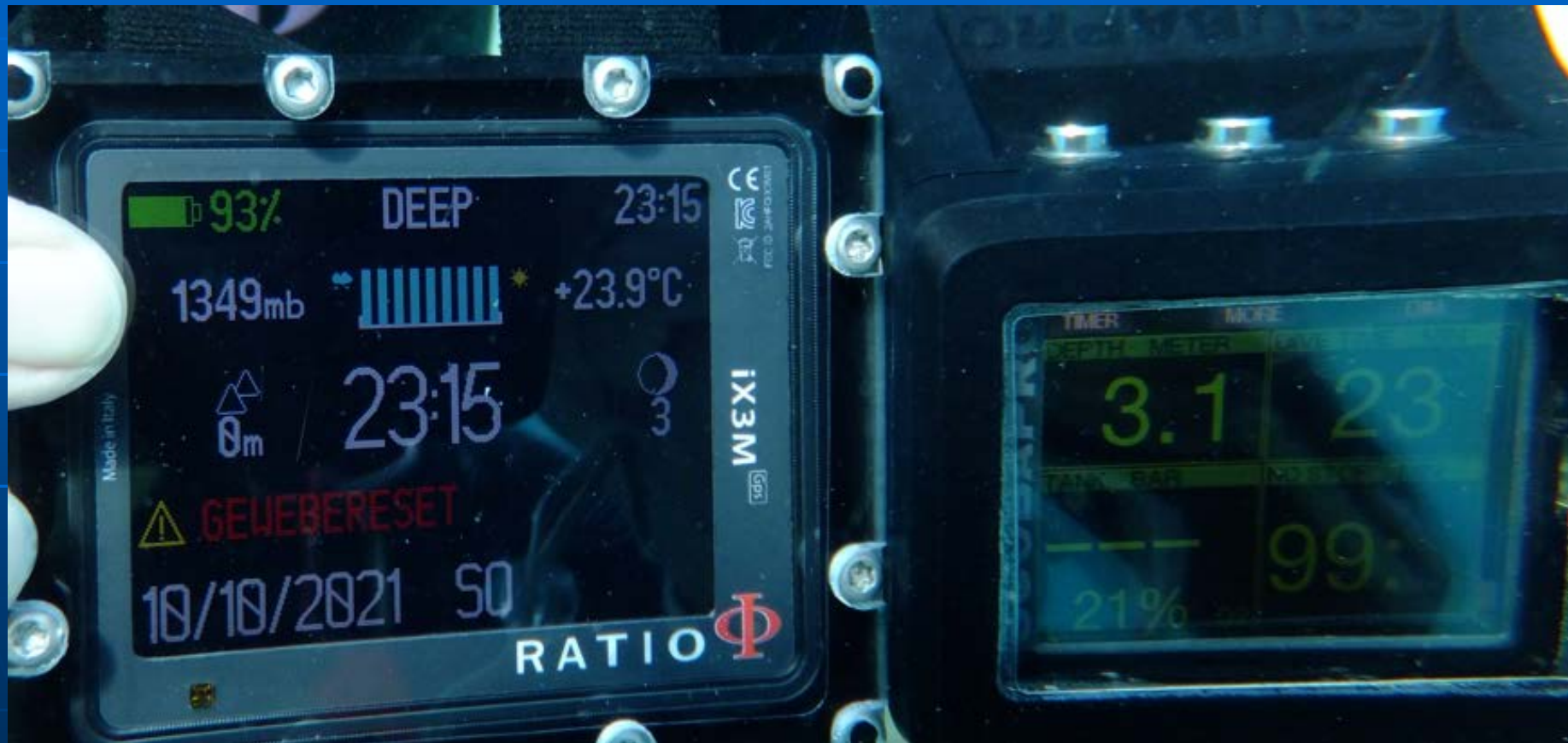
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4.0.78.1 / 016 during test dive: the results still not convincing →  
after 24 min. into the test-dive, the box decided to freak out:  
@3 m depth, it jumped into surface-mode:



i.e.: dive time = 0, depth = 0 & tissue reset („**GEWEBERESET**“, red display)



# „SNAFU“, the 6th.: con't.

4.0.78.1 / 016 during test dive: the results still not convincing → then, after 53 min. into the test-dive, the box featured a stylish „TEC“ display (just plain black ...) ☺

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The battery still at 90 % capacity.

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4.0.78.1 / 016 the results still not convincing →

then, at times, during SI, the box decides by itself to get a calibration =

**KALIBRIERUNG:**

The topical updates from 4.0.74 to 4.0.78.1 rendered the compass as well useless:





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4.0.78.1 / 016 the results still not convincing → the topical

updates  
from  
4.0.74  
to  
4.0.78.1  
rendered  
the  
log-book  
as well  
useless:

Some  
times,  
for e.g.  
@ # 44,  
45 &  
46,  
it worked,  
just a  
little bit ...



P1080487.JPG



P1080488.JPG



P1080489.JPG



P1080490.JPG



P1080491.JPG



P1080492.JPG



# „SNAFU“, the 6th.: and the END!!!

Version:	per:
4.0.78.1 / 016	04.10.2021
4.0.77.22 / 016	20.09.2021
4.0.74 / 016	13.07.2021
4.0.72 / 015	19.06.2020
4.0.70 / 014	20.01.2020
4.0.68 / 013	24.06.2019
4.0.66 / 013	25.05.2019
4.0.64 / 013	Mai 19
4.0.58 / 013	Mrz 19
4.0.54 / 013	Dez 18
4.0.50 / 013	Okt 18
4.0.46 / 013	Sep 18
4.0.44 / 013	Jun 18
4.0.40 / 013	Jan 18
4.0.26 / 013	-
4.0.20 / 011	-
4.0.10 / 011	Mai 17
3.3.4 / 010	2017
3.3.0 / 009	2016

Since 2016 we've tested 19 Versions / updates! →

Thus we have now a relatively rare combination of electro-mechanical junk and shoddy, meshugge software. This box is, after all these 19 updates and tests during 2016 to 2021 assessed as nebech [1], i.e.: completely useless for diving!

So it is banished to an appropriate place in our little virtual Dive Computer Museum:

[https://www.divetable.info/museum\\_g.htm](https://www.divetable.info/museum_g.htm)

[https://www.divetable.info/museum\\_e.htm](https://www.divetable.info/museum_e.htm)

with all the other junk we've been testing and collecting during the last 35 years, and: never to be used again underwater!

For explanation of nebech:

[1] Ulam, S. M. (1991) Adventures of a Mathematician; p. 194 - 195