

INSTRUCTION FOR *GUL* CTD 50



Functions: Analogue time. CTD –Central Tide Disc- display. One-way bezel.

Setting the time: Pull out the crown, adjust the hands to correct time.

Battery: SR920SW. Approximate battery life 2 years.

Water resistance: 5 ATM. Good for most water sports (Scuba diving however, requires 20 ATM)

Material: Case and caseback are brass and stainless steel.

Accuracy: Time function less than ± 20 sec /month.

NOTICE

The GUL CTD is designed to give the owner a guide to local tidal conditions. It is not intended to be a substitute for official printed charts and tide tables. It is the responsibility of the wearer to exercise due care and prudence, and to use official charts and tide tables to ensure the safety of persons and property.

Meteorological conditions that differ from the average will cause corresponding differences between the predicted and the actual tide. Variations in tidal heights are mainly caused by strong or prolonged winds and by unusually high or low barometric pressure. Difference between predicted and actual times of high and low tide are caused mainly by wind.

DELVA AB, the world-wide licensee of GUL watches, does not accept responsibility or liability to the wearer or his/her estate for any accident, loss, injury or damage arising from the use of this product.

THE CTD FUNCTION

The CTD is ingeniously simple and easy to read.

The present water height is shown where the hour hand cuts the graph. High tide will occur where the dark blue tidal graph touches the dial, and low tide occurs where the tidal graph is furthest from the dial.

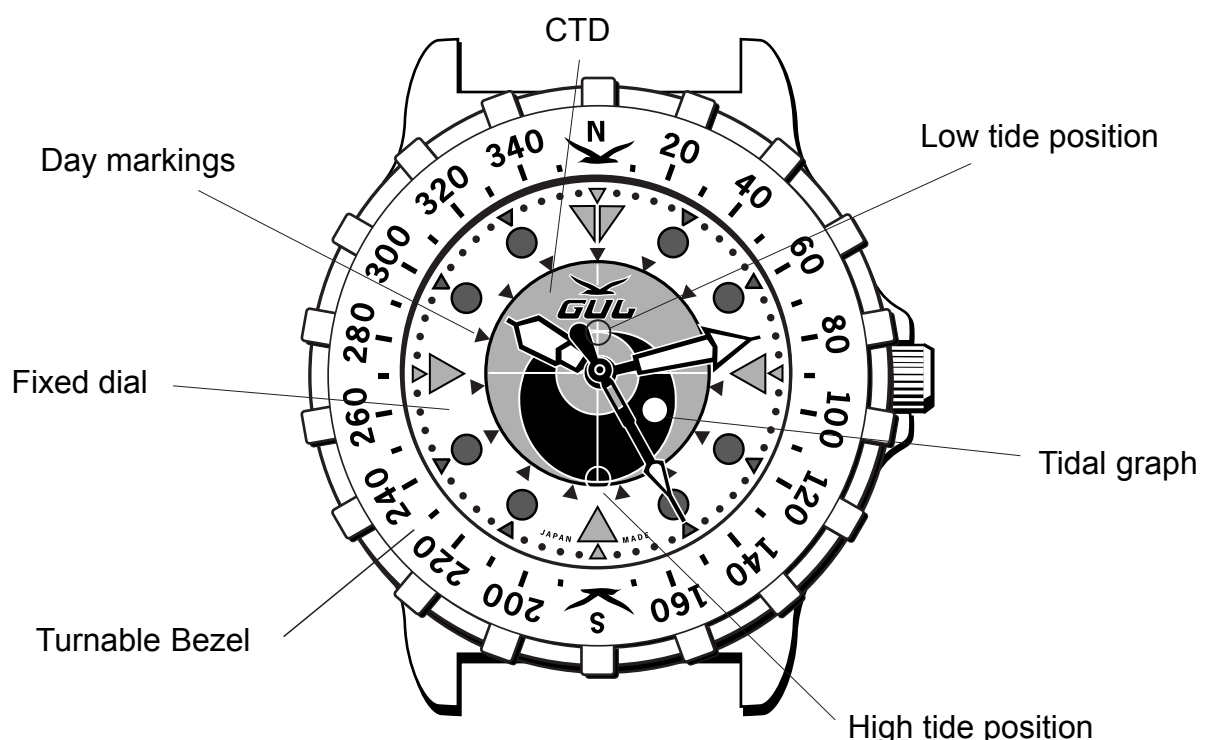
NOTE

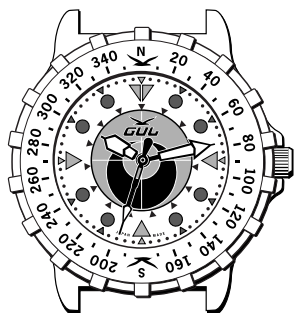
The CTD always advances when the hands move. From one high/low to the next the disc will advance approximately 25 minutes.

To make an accurate estimate of future tides you have to take this figure into consideration.

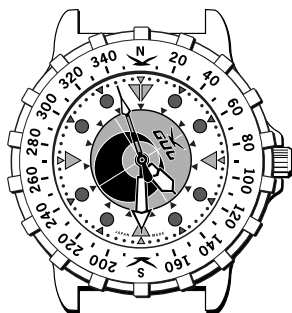
The “day markings” on the fixed dial can act as a very good guide; The distance between two markings is how much the tide times on average advance in a 24 hour period

READING THE GUL CTD WATCH

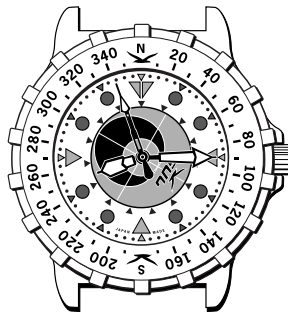




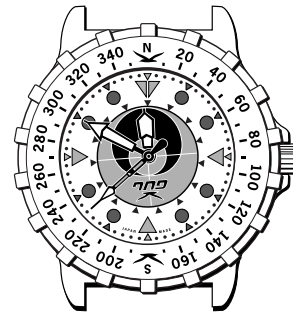
It is 10:10 on day 1. High tide was at 6.00. Observe where the hour hand cuts the tide graph to see there is less than half tide now, and the tide is going out. Low tide will be in two hours at 12:10



Two days later, day 3, at 16.30. Low tide was at 13.50 this afternoon, and high tide tonight will be at 20.00. The hour hand indicates that there is less than half tide now and rising.



Advance just under three more days to day 6 at 8.15, and the CTD has moved on to show the next high at 10:10 and low at 16.15. The amount of water under the hour hand indicates half tide and rising.



Forward again to day 8 at 11:50. It is high tide now. Low tide this afternoon at 18.00.

PLEASE NOTE

The tidal display of this watch constantly advances by the average tidal interval of 50.5 minutes every 24 hours. Actual tides vary from this average (the amount depends on your area).

Therefore to set the display most accurately, choose a day when a spring tide coincides with a full moon, and do not alter the watch between these times.

SETTING A GUL CTD WATCH

- 1) Always start by setting the CTD
- 2) Pull out the crown
- 3) Set the watch so that the hour hand is sitting over the high tide position of the tide graph.
- 4) Get the time for the next high tide from a reliable source.
- 5) Calculate the number of minutes until next high tide.
- 6) Divide the number of minutes by 25.25. Note the first two decimals.
Example: It is now 12.00 and high tide is at 16.29 = 269 minutes to next high tide, divide by 25.25 = 10.653, first two decimals are .65.
- 7) If the decimals are in the interval .76 - .26 the CTD should be set by winding the hands clock-wise. If the decimals are in the .27 - .75 interval, as in the example above, you set it by turning the hands counter clock-wise.
The maximum error using this method is 12 minutes. Please note that the CTD setting will not be the same if you advance the watch 15 days as if you reverse it 15 days.
- 8) After setting the CTD as accurately as possible you can set the hands to the correct time of the day.
- 9) Push the crown back in again

SUMMER & WINTERTIME

When changing from summer to wintertime or back again, it is very important to alter the CTD display. If the CTD is accurately set, advancing or reversing the watch 23 or 25 hours will quick-set the tide disc. The error will be approximately 10 minutes. For more exact setting you have to advance or reverse the watch as when setting the watch the first time.



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