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Instruction Manual

Tide Watch



Maker of the Genuine Swiss Army Knife™



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Crafted For Life Delémont, Switzerland 1893

Over a century ago, Wenger built a factory in this tiny Swiss village and transformed it into production headquarters for the Genuine Swiss Army Knife™ still used by the Swiss Army today. As it was 100 years ago, each tool, implement and knife manufactured by Wenger is crafted by hand in solid stainless steel and each individually inspected for quality and craftsmanship. This same attention to detail has been applied to genuine Wenger watches. Wenger watches are Swiss-designed, -engineered and -crafted with only the most accurate Swiss movements available. Each watch is constructed with form and function to last a lifetime. As with the genuine Swiss Army knife, Wenger watches are durable, high quality, and versatile enough for use on any occasion. Wenger watches are engineered to provide the same resourcefulness as the genuine Swiss Army knife, supplying functionality beyond the everyday.

Wenger Watch Components

Movements – 9-jewel Swiss quartz

Case Body – All stainless steel

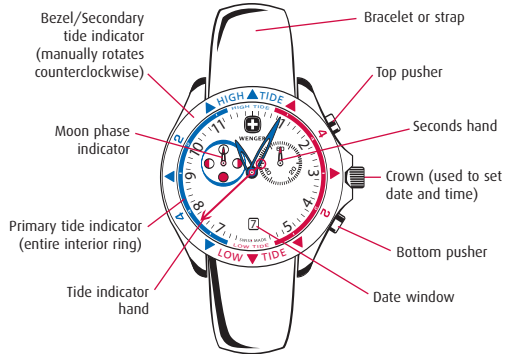
Water-Resistant – To 100m (330')

Straps/Bracelets – Stainless steel bracelet with dive buckle or water-resistant rubber strap.

Crystals – The crystal is the clear surface which covers the watch dial. The Wenger Tide Watch features a scratch-resistant mineral crystal.

Functions – Perpetual tide change function for primary location and rotating bezel for 2nd tide location. Moon phase function with sub-dial and indicator.

General Features and Components



Important Note: Your Wenger Tide watch should be used for recreational purposes only. It is **not intended to be a navigational tool.**

About Tides

Your Wenger Tide watch measures lunar tides which are created by the attraction of the Earth and the moon. The moon pulls at water causing oceans to constantly move. As the moon travels around the earth and they travel around the sun, the combined gravitational forces cause the world's oceans to rise and fall.

The Earth makes one full axis revolution every 24 hours yet it takes the Moon 29 days to make one revolution around The Earth. As a result, it takes approximately 24 hours and 50 minutes for the moon to align with the same location on Earth.

Approximately twice a day, powered by the moon's attraction, the oceans swell toward coastlines, reach their crest, and then begin to recede once more. These ebbs and flows cause two High and two Low tides approximately every day.

For more information on Tides, we suggest researching the internet.

Your Tide Watch

Your Wenger Tide Watch is accurate for the Atlantic Ocean tides only. It will not accurately track tides for other oceans.

Your Wenger Tide Watch is capable of tracking tides in two locations, a home (primary) and a destination (secondary) port, as an example.

The Tide Indicator hand (see page 3) tracks the progress of the Tide for both the primary and secondary tides. It will make one revolution approximately every 12 hours and 25 minutes (the approximate time between the two high tides and two low tides each day).

The progress of the tide for your primary location can be read on the Primary Tide Indicator (the inner ring closest to the center of the watch dial), with High Tide at the 12:00 position and Low Tide at the 6:00 position. The progress of the tide for your secondary location can be read on the Bezel/Secondary Tide Indicator (the rotatable outer ring of the watch).

(continues on next page)

The numerals in the inner ring (primary tide indicator) indicate the approximate number of hours until the respective tides (example at right: the Tide Indicator Hand is pointing to the number “2” in the blue field, indicating that there are approximately 2 hours until High Tide in the primary location). The numerals on the bezel provide the same function for the secondary location.



We suggest that you set your Wenger Tide Watch in the following order:

1. Date
2. Time
3. Moon Phase
4. Primary Tide Location
5. Secondary Tide Location (when desired)

Position 1



Position 2



Position 3



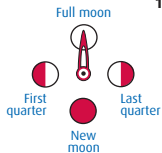
Setting the Time and Date

Important note: Your watch features a screw-down crown which ensures water resistance. Rotate the crown counterclockwise until the crown moves away from the watch. This will set the crown in Position 1. **Always screw down the crown after making any adjustments. This is very important.**

1. Pull out the crown to Position 2 (one “click” out). Rotate crown clockwise until the date shows one day earlier than the date you want to set.
2. Pull out the crown to Position 3 (two “clicks” out). Rotate crown so the watch hands move clockwise until the current date shows. Then set the watch hands to the correct time. Turn the watch hands past 12 once if you’re setting the watch for a P.M. time.
3. Return the crown to Position 1. Then screw it down fully.

Setting the Moon Phase

Important Note: It is recommended that you set the Moon Phase during a Full Moon in your local area. Setting the Moon Phase Indicator by estimating may cause inaccuracies. For practical purposes you may approximate the phase of the moon and set the watch accordingly but always recalibrate at a full moon.



1. Refer to a Moon Phase chart from newspapers, the internet or marine sources. Note the current phase of the moon at your location.
2. Press the Top Pusher for approximately 2 seconds until you hear a beep (see #4 below). Release it.
3. Press the Top Pusher again to advance the small red Moon Phase Indicator to the appropriate phase. Hold the Top Pusher down to advance more quickly.
4. If left idle for 3 seconds, watch will beep again and automatically exit the setting mode.
5. The small red Moon Phase Indicator will make one revolution every 29 days.

Setting the Primary Tide

Important Note: It is recommended that you set the Tide Indicator Hand at exactly High Tide or exactly Low Tide in your local area.

Read the "Your Tide Watch" section on pages 5 and 6, and refer to the General Features and Components illustration on page 3 for more information on the Primary Tide indicators.

1. Refer to a Tide Chart for your local area and determine the time of High or Low Tide for today.
2. At exactly High Tide or exactly Low Tide depress the Bottom Pusher for approximately 2 seconds until you hear a beep (see #4 below). Release it.
3. Press the Bottom Pusher to advance the Tide Indicator Hand to either the "High Tide" (12:00 position) or "Low Tide" Indicator (6:00 position) depending on the present tide. Hold the Top Pusher down to advance more quickly.
4. If left idle for 3 seconds, watch will beep again and exit the setting mode.

Reading the Primary Tide

1. Once the Tide Indicator Hand is set as detailed above, you can begin tracking the tide in your primary location (Read the “Your Tide Watch” section on page 5 and refer to the General Features and Components illustration on page 3 for more information on the Primary Tide indicators.)
2. The Tide Indicator hand will rotate at a rate of approximately 12 hours and 25 minutes. Over this period of time the watch will indicate one High Tide and one Low Tide per location for your primary location.
3. When the Tide Indicator Hand is in the blue zone (left side of the dial) the tide is rising or “flooding”. When it’s in the red zone (right side of the dial) the tide is falling or “ebbing”.
4. The numerals (4 and 2) in both the blue and red zones indicate the approximate number of hours before the next High Tide and Low Tide respectively. The vertical lines within these zones indicate interval hours relative to the 4 and 2.

Setting the Secondary Tide

Important Note: It is recommended that you set the Secondary Tide at exactly High Tide or exactly Low Tide.

Read the “Your Tide Watch” section on page 5 and refer to the General Features and Components illustration on page 3 for more information on the Secondary Tide indicators.

1. Once the Tide Indicator Hand is set at your primary location you are ready to set the tide for a secondary location (a destination port as an example).
2. Refer to a Tide Chart for the second location and determine High or Low Tide for today.
3. At exactly High Tide or exactly Low Tide at the second location rotate the bezel (counterclockwise) so that the Tide Indicator Hand (red hand) points to the appropriate tide.

Important Note: While the above is the most accurate way to set the Tide for the second location it may not always be practical. See section “Alternate Method for Setting the Secondary Tide” (page 13) for a more practical, **but less precise** method for setting the second tide.

Reading the Secondary Tide

1. Once the Tide Indicator Hand is set for the primary location and the bezel is set for the secondary location, you can begin tracking the tide in your secondary location (Note the illustration on page 3 which shows the secondary location High and Low tide indicators on the bezel).
2. The tide in the secondary location should be read solely from the markings on the bezel. The tide indicator hand will indicate two High and two low tides in approximately a 24 hour and 50 minute period.
3. Note that four triangles on the bezel are blue and four are red. As well there are blue numerals (4 and 2), and red numerals (4 and 2). When the Tide Indicator hand is between the blue triangles or blue numerals, the tide is rising. When it's between the red triangles or red numerals the tide is falling.
4. Both the red and the blue numerals (4 and 2) indicate the approximate number of hours before the next High Tide and Low Tide respectively. The triangles indicate interval hours relative to the 4's and 2's.

Alternate Method for Setting the Secondary Tide

Important Note: While the following method may be the most practical way to set the Tide for the second location it is **not the most accurate**. See "Setting the Secondary Tide" (page 11) for the most precise method for setting the second tide.

1. Once the High/Low Tide Indicator is set at your home location you can set the High/Low Tide Indicator at a second location (a destination port, for example).
2. Refer to a Tide Chart for the secondary location and determine High Tide for today.
3. Determine the difference in hours and minutes between High Tide at the primary location and High Tide at the secondary location.
4. Rotate the bezel so that the High Tide indicator (on the bezel) is positioned to reflect the difference between the High Tide in the primary location and High Tide in the secondary location in minutes and hours. (example: if the High Tide in the primary location is 7:34 and the High Tide in the second location is 8:34, (continues on next page)

set the High Tide indicator on the bezel 1 hour ahead of the Tide Indicator hand).

Important Note: Again, this is not an exact setting of the second tide. This method should only be used when an estimated tide in a secondary location is required. It is suggested that any necessary adjustments be made at exactly High Tide or Low Tide at the secondary location.

5. At exactly High Tide or exactly Low Tide at the second location rotate the bezel (counterclockwise) so that the Tide Indicator Hand (red hand) points to the appropriate tide (either exactly High Tide or exactly Low Tide).

For more information on Tides, we suggest researching the internet.

Caring for Your Watch

Even though your watch is water-resistant, it is not recommended that you wear it in a hot shower, sauna or hot tub. We suggest sending your Wenger watch to our Customer Service Center for battery replacement (please see procedure under “Warranty Service”). Batteries should only be replaced by a professional jeweler to maintain the watch’s water-resistancy. If your watch has a bracelet, we suggest you see a jeweler for any sizing adjustments.

3-Year Limited Warranty

Wenger is proud to stand by our quality Swiss craftsmanship with a 3-Year Limited Warranty. This Wenger watch is warranted to the original consumer/purchaser against breakage or malfunction under normal use due to defects in material or workmanship. This 3-Year Limited Warranty also includes all components and craftsmanship of the Swiss movement and watch case. We will repair, or at our option, replace any defective Wenger watch with the same or comparable model. We will refund the purchase if repair or replacement is not commercially possible. The warranty will become null and void if the timepiece is misused, abused, tampered with or taken apart, or if the timepiece is repaired by anyone other than an authorized dealer. The warranty is not extended to the watch strap, bracelet, finish, crystal or battery. The warranty does not cover any incidental, consequential or special damage arising from any or all uses of the Wenger watch. Wenger watches must be repaired by an authorized dealer or the warranty is void. Some states do not allow the exclusion or limitations of incidental, consequential or special damages, so the above limitations may not apply.

Warranty Service

In the United States, please send your watch to: Wenger Watch Repair Center, 15 Corporate Drive, Orangeburg, NY 10962. Please include a check or money order payable to Wenger NA in the amount of \$10(US) to cover the cost of return shipping and handling (California residents exempt). If your warranty has been rendered void as a result of non-compliance with above warranty restrictions, we will send you an estimate before any repairs are made. When sending your watch to our Service Center, please pack it securely. We suggest insuring the shipment as Wenger NA cannot be responsible for packages not received by the company. Be sure to include your name, mailing address, phone number, email address, proof of purchase and a brief description of the problem. Wenger is not responsible for damage or loss in shipping. Note: Do not send watch boxes. If you have questions or concerns, please call 800-267-3577 or 800-447-7422 to speak to a Customer Care Associate. You may also visit us on the web at www.WengerNA.com or contact us via e-mail at Custsvc@WengerNA.com. In Canada call: 888-838-1504. Outside the U.S. or Canada, please visit www.WengerWatch.com for further instructions.

Wenger Watch Registration

For your convenience you can **register online** at www.WengerNA.com/warranty or complete the form below and mail it to the address on the back.

Name/Nombre: _____

Address/Dirección: _____

City/Cuidad: _____

State/Estado: _____ Zip Code/Código Postal: _____

Date Acquired/Fecha de Adquisición: _____

Gift/Regalo Purchase/Compre

Where Purchased/Lugar de Compre: _____