



A Watch You Can Trust

**INSTRUCTION MANUAL FOR
WATCH CALIBRE
W820**



WARNING



THIS PRODUCT CONTAINS A BUTTON BATTERY

If swallowed or placed inside any part of the body, the battery can cause severe or fatal injuries within 2 hours or less.

Button batteries are hazardous whether new or used. Keep batteries out of reach of children.

If you think the battery may have been swallowed or placed inside any part of the body, seek immediate medical attention. Contact the Australian Poisons Information Centre immediately on 13 11 26 (New Zealand 0800 764 766) for 24 / 7 fast, expert advice.

How to Use the Rotating Compass Bezel

1. Depress button "C" to select the sun or moon compass depending on whether you can see the sun or the moon in the sky.
2. While keeping the dial level, point the direction mark at the 12 o'clock position to the direction of the sun or moon.
3. Turn the rotating bezel so that the direction name on the bezel corresponding to the direction name shown in the uppermost row of the display aligns with the direction mark.
4. The direction names on the rotating compass bezel indicate the respective directions.

Notes:

1. The rotating compass bezel can be used only when you have a view of the sun or the moon.
2. Unless the time/calendar and the daylight saving time are set properly, the direction of the sun or moon and the age of the moon will not be displayed correctly.
(After the battery is replaced with a new one, all the data is cleared from memory and should be reset before using the compass function.)
3. Before using the compass, check that the proper hemisphere is selected.
4. In the areas between the tropics of Cancer and Capricorn, the sun may rise directly overhead, making it difficult to find the directions. In the areas between 28.63° of north latitude and 28.63° of south latitude, the moon may rise directly overhead, making it difficult to find the directions. In those areas, use the compass function together with a conventional magnetic compass.
5. Before using the moon or sun compass, be sure to set the longitude of your place. Otherwise, the directions and moon phase may not be displayed properly.
6. If you travel or move to a place at a different longitude, reset the longitude on your watch. Otherwise, the directions of the sun and moon and the moon phase will not be displayed properly.

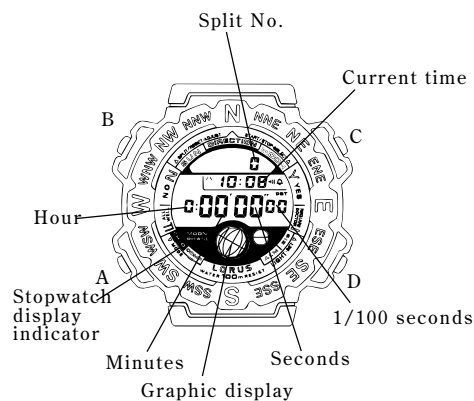
Table of Longitudes of Cities Throughout the World

(The longitudes are shown in degrees by rounding off the minutes.)

| Name of city | Longitude | Name of city | Longitude |
|---------------|-----------|--------------|-----------|
| Anchorage | 150° W | Dublin | 6° W |
| Los Angeles | 118° W | Lisbon | 9° W |
| San Francisco | 122° W | Paris | 2° E |
| Las Vegas | 115° W | Milan | 9° E |
| Vancouver | 123° W | Rome | 12° E |
| Seattle | 122° W | Madrid | 4° W |
| Denver | 105° W | Amsterdam | 5° E |
| El Paso | 106° W | Hamburg | 10° E |
| Edmonton | 114° W | Stockholm | 18° E |
| Chicago | 88° W | Frankfurt | 9° E |
| Houston | 95° W | Vienna | 16° E |
| Dallas | 97° W | Athens | 24° E |
| New Orleans | 90° W | Helsinki | 25° E |
| New York | 74° W | Perth | 116° E |
| Montreal | 74° W | Tokyo | 140° E |
| Detroit | 83° W | Sydney | 151° E |
| Miami | 80° W | Melbourne | 145° E |
| Boston | 71° W | Wellington | 175° E |
| Santiago | 71° W | Christchurch | 173° E |
| Buenos Aires | 58° W | Cape Town | 18° E |
| Azores | 25° W | Johannesburg | 28° E |
| London | 0° W | | |

HOW TO USE THE STOPWATCH

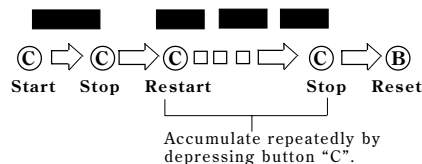
- The stopwatch can measure up to 10 hours in 1/100 seconds.
- * Even if the stopwatch is changed to another while the measurement is in progress, it continues counting properly. After the stopwatch is used, however, be sure to reset it as the battery energy is consumed enormously to shorten the battery life.
- * While the stopwatch is measuring, the graphic display turns on and off repeatedly.



Stopwatch Operation

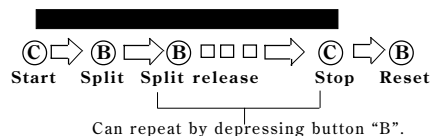
Depress button "A" to show the stopwatch display.

Accumulated elapsed time measurement



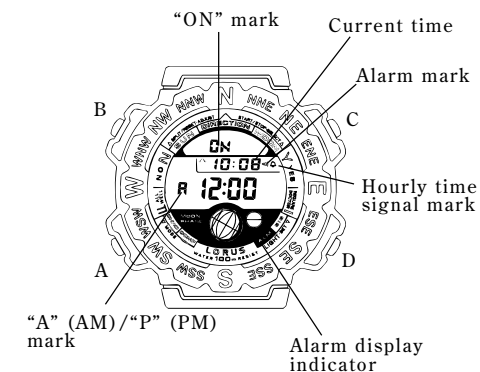
Split time measurement

- "Split time" is the time that has elapsed from the start of an activity to any given stage.



Note: The split number counts up to "99". After "99", the number is displayed in two digits such as "00" for 100, "01" for 101 and so on.

HOW TO SET THE ALARM



1. Depress button "A" to show the alarm display.
2. Depress button "B" for 2 to 3 seconds to show the alarm setting display. The alarm mark and "ON"/"OFF" mark disappear and the hour digits (and "A"/"P" mark) start flashing.
3. Depress button "C" to select the digits to be adjusted (flashing).
Hour → Minutes
4. Depress button "D" to set the digits. One digit is advanced with each depression of the button. The digits move quickly by keeping the button depressed.

- After all the adjustments are completed, depress button "B" to return to the alarm display. The alarm mark and "ON" mark are automatically displayed.

Notes:

- When the time function is displayed in the 24-hour indication, the alarm is also displayed in the 24-hour indication.
- When setting the hour digits in the 12-hour indication, check that "A" (AM)/"P" (PM) mark is properly set.
- If the watch is untouched in the alarm setting display with the digits flashing, it will automatically return to the alarm display in 2 to 3 minutes.

Engagement/Disengagement of the Alarm

- With each depression of button "C" in the alarm display, the alarm is engaged and disengaged alternately.

| | |
|-----|------------------|
| •)) | Alarm engaged |
| | Alarm disengaged |

- The alarm rings at the designated time for 20 seconds and stop. To stop it manually, depress button "A", "B", "C" or "D".

Turning on/off of the Hourly Time Signal and Confirmation Sound; and Alarm Test

- With each depression of button "C" in the time/calendar display, the hourly time signal and confirmation sound for the button operation are turned on and off alternately.

| | |
|--|--|
| | Hourly time signal and confirmation sound turned on |
| | Hourly time signal and confirmation sound turned off |

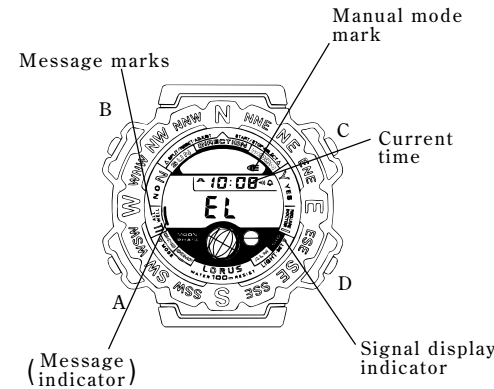
- The alarm can be tested by keeping buttons "C" and "D" depressed in the time/calendar display.

* After the alarm sound is tested, be sure to check turning on/off of the hourly time signal and confirmation sound, as they are turned on and off alternately by depressing button "C".

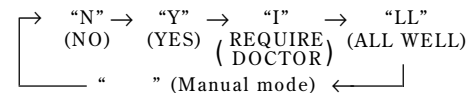
■ HOW TO USE THE SIGNAL FUNCTION

CAUTION
Do not use the watch as a distress signal transmitter as it is not designed for such purpose. The signal light emitted from the watch may not be perceived depending on such factors as distance to the target and angle of the watch face.

With a press of a button, 4 preset Morse code messages can be given by light automatically. Messages can also be given manually by turning on and off the illuminating light.



- Depress button "A" to show the distress signal display.
- Selection of the four preset messages and the manual mode is made in the following order by depressing button "C".



- Depress button "D" to give a desired Morse code message by light.
 - The preset messages are given repeatedly while the button is kept depressed.
 - Once button "D" is depressed, the preset message will be given to the end even if the button is released before it is completed.
 - When the manual mode is selected, the illuminating light is turned on when button "D" is depressed, and is turned off when it is released.

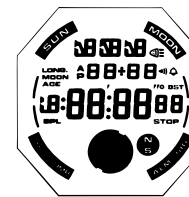
Pattern of Light Illumination (Morse Code)

| Message code | Meaning | Pattern of light illumination (Morse code) | Duration of illumination |
|--------------|---|---|--------------------------|
| N | NO (Negative) | - - - - N O | 3.2 seconds |
| Y | YES (Affirmative) | - - - - Y E S | 3.0 seconds |
| I | REQUIRE DOCTOR Seriously injured. Send a doctor. | D O C T O R | 9.0 seconds |
| LL | ALL-WELL Everything is going well. | - - - - W E L L | 4.0 seconds |
| — | MANUAL | The display remains illuminated while the button is kept depressed. | — |

*Pattern of light illumination:
- Long duration of illumination
- Short duration of illumination

■ NOTE ON UNUSUAL DISPLAY

While in the time/calendar setting display, the display as shown below will appear if both buttons "C" and "D" are depressed at the same time. This is not a malfunction. Depress button "A", "B", "C" or "D" to return to the time/calendar display, and then set the time/calendar again.



[All the segments lighting up]

■ LUMIBRITE WATCH (dial, hands, buttons, case, bezel, straps, etc.)



☆ If your watch is a LORUS LUMIBRITE watch, it has following features.

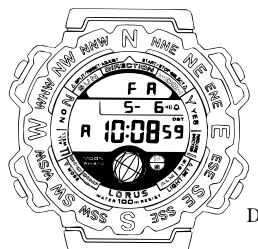
LORUS LUMIBRITE watches absorb and store light energy from natural and artificial light sources and emit light in the dark. They are made of environmentally friendly material, and therefore, are harmless to human beings and the environment.

- With a full charge, LORUS LUMIBRITE watches glow in the dark hours longer than conventional luminous watches of this type. If exposed to a light of more than 500 lux (i.e., the brightness of a typical office) for approximately 10 minutes, or direct sunlight for 2 minutes, for example, they will glow for 3 to 5 hours.
- Since LORUS LUMIBRITE watches emit the light they store, the brightness will decrease gradually over time. The length of time they will glow may also differ slightly depending on such factors as the brightness of and distance from the light source used to charge the watch.

■ LORUS LITE



While button “D” is kept depressed in the time/calendar, compass, stopwatch or alarm display, the electroluminescent light evenly illuminates the display for easy viewing in the dark.



Notes:

1. LORUS LITE watches work with one battery. When the electroluminescent light begins to lose its luminance, this is an indication that the battery is depleted. We recommend that you change the battery before the watch itself stops.
2. If the electroluminescent light is used continuously for a long time, the battery life may be less than the specified period.

■ BATTERY CHANGE

The miniature lithium battery SEIKO CR2025, SONY CR2025 or Matsushita CR2025, which powers your watch should last approximately 2 years. However, because it is inserted at the factory, the actual life of the battery once in your possession may be less than 2 years. Be sure to replace the battery to prevent any possible malfunction as soon as it runs down. To replace the battery we recommend taking the watch to a local watch repair shop.

Notes:

1. If the alarm is used for more than 20 seconds a day, the confirmation sound more than 50 times a day, the distress signal for more than 15 seconds a day, the illuminating light 3 times a day and/or the stopwatch for 10 hours a day, the battery life may be less than the specified period.
2. After the battery is replaced with a new one, be sure to depress buttons “A”, “B”, “C” and “D” at the same time for 2 to 3 seconds. The display becomes blank, and when the buttons are released, the time/calendar of “A 12:00 SA 1-1” is displayed. Then, set the desired, time/calendar, compass data and alarm time. (See “HOW TO SET THE TIME/CALENDAR AND DAYLIGHT SAVING TIME”, “Compass Data Setting” and “HOW TO SET THE ALARM”.)

■ CARE OF YOUR LORUS WATCH

• BATTERY

CAUTION

Do not expose the old battery to fire or recharge it. Keep it at a place beyond the reach of children. If a child swallows it, consult a doctor immediately.

• WATER RESISTANT

| Condition of use | Accidental contact with water, such as splashes and rain | Swimming and taking a shower | Skin diving | Scuba diving |
|--|--|------------------------------|-------------|--------------|
| Indication on the dial/case back | | | | |
| No indication | NO | NO | NO | NO |
| WATER RESISTANT | YES | NO | NO | NO |
| WATER RESISTANT (50 M/5 BAR)* | YES | YES | NO | NO |
| WATER RESISTANT (100 M/10 BAR or above)* | YES | YES | YES | NO |

* If your watch is 200 M/20 BAR, 100 M/10 BAR or 50 M/5 BAR water resistant, it is so indicated on the dial/case back.

- Do not press the buttons or turn the crowns when the watch is wet.
- If the watch is exposed to salt water, rinse it in fresh water and then wipe it thoroughly dry.

Caution:

Leather straps are not water resistant except so indicated, even if the watch head is water resistant.

• ALLERGIC REACTION

Because the case and band touch the skin directly, it is important to clean them regularly. If not, shirt sleeves may be stained and those with delicate skin may develop a rash. Please wear the watch with some play to avoid any possible allergic reaction. If you develop a rash on your wrist, stop wearing and consult a physician.

• MAGNETISM

Your watch will not be affected by magnetism generated by household electric appliances.

• SHOCKS AND VIBRATIONS

Your watch may be worn for normal sports activities, but be careful not to drop it or hit it on hard surfaces.

• TEMPERATURE

Your watch is preadjusted so that constant accuracy may be insured at normal temperature.

■ SERVICE

When your LORUS watch requires repair or servicing, please see the enclosed WARRANTY/GUARANTEE.