Measure the Adventure with the XG-55 Altimeter/Compass Watch

By

LA CROSSE® TECHNOLOGY

XG-55
Altimeter / Compass Adventure Watch

Instruction Manual
1.0 Introduction

Thank you for purchasing the La Crosse Technology XG-55 wrist watch.

The La Crosse Technology XG-55 wrist watch features electronic sensors, which measure outdoor conditions (e.g., weather forecast, temperature, barometer, altitude, and compass direction).

The La Crosse Technology XG-55 wrist watch provides the essential information while you hike, camp, fish, and perform other outdoor activities, especially for extended periods of time.

The La Crosse Technology XG-55 wrist watch also includes regular time, dual time, day/night, alarm, chronograph, and a timer, in a sleek water resistant case.

2.0 Parts and Its Functions

- Select Button
  - Select among the Current Time, Alarm, Chronograph, Timer, and Dual Time Mode.
  - Select between features when setting the unit.

- Mode Button
  - Select between Barometer, Altimeter, and Compass Mode.

- Start/Stop Button
  - Main display: Toggle between Day, Temperature, Altimeter, and Pressure displays.
  - Start/Stop the Chronograph or Timer.
  - Toggle between the Compass or Timer.
  - Increase the digit amount when setting time, timer, and alarms.

- Lap/Reset Button
  - Lap/Reset the Chronograph.
  - Move the cursor to the left when reviewing the history of altitude or barometer readings.
  - Toggle between Yes/no options on the alarm, beep, and chronograph features.
  - Decrease the digit amount when setting time, timer, and alarms.

- Light Button

3.0 Major Function Modes - Time Keeping Mode

- Time Keeping Mode

4.0 Major Function Modes - Function Mode

- Function Mode
  - Button Used
    - [MODE]
  - Mode Features
    - Time Keeping Mode
    - Barometer Mode
    - Altimeter Mode
    - Hold [MODE]
    - Compass Mode
4.0 Current Time Mode - Day of week, temperature, altitude and pressure display

There are a total of 4 kinds of function among the upper display:
- Day of the week
- Temperature
- Altitude tendency
- Pressure tendency

User can select by [ST/STP] button

If [ST/STP] button is held for 2 seconds, the display will start to toggle between the Day, Temperature, Altitude, and Pressure readings, changing per second.

4.1 Current Time Mode - Weather Forecast

A special feature of the La Crosse Technology V2-95 series watch is its display weather tendency. It performs by analyzing the changes of the past air pressure.

Weather Icons
- Sunny
- Partly Cloudy
- Cloudy
- Rain
- Storm

The symbols will be shown only in the Current Time Mode and Dual Time mode.

IMPORTANT: Since the watch predicts the coming weather conditions by using the changing air pressure data, users are highly advised to remain at the same altitude for about 8-12 hours for higher accuracy.

4.2 Current Time Mode - Setting the Current Time and the Calendar

To enter Setting Mode:
- Press and hold the [SELECT] button for 2.2 seconds. The display will show the Current Time Setting Display. The "SET" icon will appear.

- The seconds will be selected (flashing).
- Press [SELECT] button to change the seconds as in the Current Time Setting sequence (see graphic).

Different Setting procedure:
- While seconds are selected (flashing), press the [ST/STP] button to add the seconds to "00." The digits will remain at "00" until the button is released.
- While the other settings (minutes, hour, month, year) are selected (flashing), press the [ST/STP] button to increase the digit amount. Hold the button to increase the digits quickly.
- Press the [LAP/RST] button to decrease the digit amount. Hold the button to decrease the digits quickly.

Continued...

4.3 Current Time Mode - Setting the 12/24 Hour, LCD Contrast and Key Beep

[SELECT], [ST/STP], [LAP/RST]
- Month/Date Order: You can change the month and date order when "M/D" or "D/M" appears by pressing the [ST/STP] button. Press the [SELECT] button to advance to the next setting.
- 12/24 Hour: When the 12/24 hour format is displayed, press the [ST/STP] button to select either 12-Hr or 24-Hr format. Press the [SELECT] button to advance to the next setting.
- LCD Contrast: In LCD Contrast mode, press the [ST/STP] button to increase the contrast setting, or press [LAP/RST] button to decrease the contrast setting. The contrast effect changes instantly as you change the setting. The LCD Contrast range is from 1 to 12. Press the [SELECT] button to advance to the next setting.
- Key Beep: You can turn on or off the key beep sound by pressing the [ST/STP] button or [LAP/RST] button.

After Setting:
Hold the [SELECT] button to confirm the settings and return to the Current Time mode.
5.0 Daily Alarm Mode - Setting the Alarm

Daily Alarm 1 and Daily Alarm 2
- The La Crosse Technology KG-50 wrist watch has two (2) daily alarms: Daily Alarm 1 and Daily Alarm 2, which work independently of each other.
- From the Current Time Display, press the [SELECT] button. The display will show AL1 of the top.
- Press the [LAP/RST] button to turn the alarm ON or OFF under the Alarm display.
- When the Daily Alarm 1 or 2 is ON, the watch will sound at the preset alarm time every day. Press any button to stop the alarm sound.
- Press the [ST/STP] button to switch between the Daily Alarm 1, Daily Alarm 2, and Alarm displays.

To Set the Daily Alarm 1, Daily Alarm 2, and Hourly Chime
- Under AL1 or AL2 display, hold the [MODE] button for 2 seconds, to set the alarm time. "SET" will appear and the minutes will be selected (flashing).
- Press the [ST/STP] button to increase the digit amount. Hold the button to increase the digits quickly. Press the [LAP/RST] button to decrease the digits quickly. Hold the button to decrease the digits quickly.
- Press the [SELECT] button, the hour digits will be selected (flashing). Repeat the step for setting minutes.
- Press and hold the [SELECT] button to finish setting and return to the Alarm 1.
- Press the [ST/STP] button to display AL2. Repeat the steps to set Alarm 2.
- When AL1 or AL2 is on, "AL" will appear on the Current Time display.
- Press [ST/STP] button, the Chime function will be displayed. Press [LAP/RST] button to turn ON or OFF the hourly alarm. When 8 is ON, "CH" will appear on the Current Time display.
- Press [SELECT] button 4 times to return to the Current Time display.

6.1 Chronograph Mode - Record/Recall a Lap Memory

- The Chronograph mode allows you to record and save up to 100 lap times.
- Press the [ST/STP] button to start the Chronograph. Then press the [LAP/RST] button to record the lap.
- The lap number will be shown at the top of the display, i.e., "L1".
- Press the [ST/STP] button to stop the Chronograph.
- The time display will pause however, the outer seconds ring will still be going. The running time will return after 10 seconds.
- Repeat the steps above to record another set of lap times.

To Recall the Lap Memory
- In Chronograph mode, hold the [SELECT] button for 3 seconds.
- When total time (TTL) is displayed, press the [ST/STP] button to go to the next time lap, or press [LAP/RST] button to go to the previous time lap.
- Hold the [SELECT] button at any time to return to the Chronograph display.

To Reset Lap Memory
- At the Chronograph display, press and hold the [LAP/RST] button for 2 seconds to reset the Chronograph lap memory.

6.0 Chronograph Mode - Start/Stop the Chronograph

- The Chronograph measures elapsed and lap times.
- The display shows the "All Zeros" display when the Chronograph is being selected the first time of the chronograph is reset.

To Start / Stop the Chronograph
- From the Current Time Display, press [SELECT] button twice to enter Chronograph mode.
- Press [ST/STP] button once to start the Chronograph.
- Press [ST/STP] button again to stop the Chronograph.
- The elapsed time between the start and stop keystrokes will be displayed.
- Repeat the steps above to re-start and stop the Chronograph's accumulative time.

To Reset the Chronograph
- Stop the Chronograph.
- Press and hold the [LAP/RST] button for 2 seconds to reset the chronograph to "All Zeros" display.

7.0 Timer Mode - Countdown Timer and the Quick-Set-Values

- The La Crosse Technology KG-50 wrist watch has a Countdown Timer mode.
- The Countdown Timer starts counting from the preset value to zero, and stops.
- The Quick-Set-Values (QSVs)
  - The Quick-Set-Values is a set of default values in the La Crosse Technology KG-50 wrist watch for easier use of the time.
  - There are 5 Quick-Set-Values: 3, 5, 10, 15, and 45 minutes. These values cannot be changed by the user.
- The User Preset Value (UPV)
  - The User Preset Value is a value which can be changed by the user.
  - The setting range is up to 99 hours 59 minutes 59 seconds.
  - Once the UPV has been set, such as 30 minutes, the value is stored in the La Crosse Technology KG-50 wrist watch, so the user may recall it again.
7.1 Timer Mode - Setting the User Preset Value

To Set the User Preset Value

- From the Current Time Display, press the (SELECT) button three times to enter Timer mode.
- Press and hold the (SELECT) button for 2 seconds to change from Timer display to User Preset Value Setting display.
- The hour digits are selected (flashing).
- Press the ([ST,STP]) button to increase the digit amount. Press and hold the button to increase the digits quickly.
- Press the (SELECT) button to decrease the digit amount. Press and hold the button to decrease the digits quickly.
- Press ([ST,STP]) button. the minutes digits are selected (flashing). Repeat the steps above.
- Press the (SELECT) button. the seconds digits are selected (flashing). Repeat the steps above.
- Once the timer is set, press and hold the (SELECT) button for two (2) seconds to return to the Timer display.

7.2 Timer Mode - Using the Timer

To Use the Timer

- When the timer is set, press the ([ST,STP]) button to start the timer. Press the ([ST,STP]) button again to stop the timer.
- The timer will be displayed continuously until it reaches zero.
- In the last 10 minutes, it will beep for every minute, the last minute it will beep every second.
- Once the timer has reached zero, the beep sound will be heard for 30 seconds. Press any button to stop the beep.
- The last timer value will be displayed automatically at the end of the beep sound.

To Reload the Timer

- Press the ([ST,STP]) button to reload the time value when the timer is stopped.

8.0 Dual Time Mode - Setting the Dual Time

To Set the Dual Time

- From the Current Time Display, press the (SELECT) button four times to enter the Dual Time mode. The display will show T1 at the top.
- Press ([ST,STP]) button. the hour is selected (flashing).
- Press ([ST,STP]) button to increase the digit amount. Press and hold the ([ST,STP]) button to increase the digits quickly.
- Press (SELECT) button to decrease the digit amount. Press and hold the (SELECT) button to decrease the digits quickly.
- Press ([ST,STP]) button. the minutes digits are selected (flashing). Repeat the steps above.
- Press ([ST,STP]) button. the seconds digits are selected (flashing). Repeat the steps above.
- Once the timer is set, press and hold the (SELECT) button for two (2) seconds to return to the Dual Time mode display.

9.0 Barometer Mode - Temperature and History Display

The La Crosse Technology 85201 wrist watch presents two (2) kinds of Barometer displays: Temperature and History.

Temperature Display
- In the Barometer mode, the current temperature is displayed at the top in degree Celsius (°C) or degree Fahrenheit (°F).

NOTE: If you want to load an accurate reading of the air temperature, you must remove the watch from your wrist for 30 to 30 minutes. This ensures the body temperature will not affect the unit's reading.
- The middle display shows the current pressure in mb or kPa. The bottom display shows the current time in hours and minutes.
- The indicators which display the display show the current time in 1 second resolutions analogically.
- Press and hold the ([ST,STP]) button to perform the tension force display to get one reading immediately.

To Switch between Units
- The La Crosse Technology 85201 wrist watch can display pressure in mb or kPa, and temperature in degree Celsius (°C) or degree Fahrenheit (°F).
- Hold the ([ST,STP]) button to change the units (see graphic).

History Display
- Press ([ST,STP]) button. the top display will show the Pressure graph. This far reading will be selected (flashing).
- Press ([ST,STP]) button. move left and right to review the history readings of the past 24 hours. Once the cursor is not located at the current time, the bottom display will show the time of the reading.
- Press ([ST,STP]) button to return to the Barometer mode.
9.1 Barometer Mode - Adjust Menu

- Press and hold the [SELECT] button for 2 seconds to show the Barometer adjustments display (APR). APR will be displayed at the top.
- There are 2 kinds of adjustments:
  - Absolute Pressure: Input the known atmospheric pressure directly
  - Factory Default: Restore to factory default settings.

9.2 Barometer Mode - Absolute Pressure Adjustment

Before Calibrating the Barometer
- The La Crosse Technology XG-55 wrist watch was calibrated for you in the factory. For normal use, you do not need to calibrate the Barometer. But a calibration procedure is included for users of the La Crosse Technology KD-55 wrist watch.
- In order to input the information into the watch, during the calibration procedure, you will need the barometric pressure of your current position.
- Consult the nearest observatory station or airport from your current position to get the current ambient barometric pressure.
- Important: Inputting the incorrect pressure value during the calibration procedure will result in incorrect pressure readings in the future.

Calibration Procedure
- Press [ST/STP] in Absolute Pressure Display
- While digits are being selected (flashing), press the [ST/STP] button to increase the digit amount. Press and hold the [ST/STP] button to increase the digit quickly.
- Press the [LAP/RST] button to decrease the digit amount. Press and hold the [LAP/RST] button to decrease the digit quickly.
- Press and hold the [SELECT] button for 2 seconds to confirm the inputted data and return to the Barometer display.

9.3 Barometer Mode - Factory Default

You can also adjust the pressure back to factory default value.
To Set the Factory Default
- At the Barometer display, press and hold the [SELECT] button for 2 seconds to show the Barometer adjustment display.
- Press the [SELECT] button to select the Factory Default option (DEF).
- Press [ST/STP] or [LAP/RST] button to select “YES” or “NO”.
- Press and hold [SELECT] button to confirm setting.
- When “YES” is confirmed, “DONE” will show, and the display will automatically return to the Barometer mode.

10.0 Altimeter Mode - Temperature and History Display

The La Crosse Technology XG-55 wrist watch provides two kinds of Altimeter displays: Temperature and History.

Temperature Display
- From the Current Time Display, press [MODE] button twice to display Altimeter Mode.
- In the Altimeter mode, the top display will show the current temperature in degrees Celsius (°C) or degrees Fahrenheit (°F).
- The middle display shows the current altitude in meters or feet. The bottom display shows the current time in hours and minutes.
- The indicators which include the display, show the current time is 1 second resolution analogically.
- Press and hold the [LAP/RST] button to perform force detect function to get one reading immediately.

Switching between Units
- Press and hold the [ST/STP] button to change the units (see graph).

History Display
- Press the [ST/STP] button, the top display will show the Altimeter graph. The far right reading will be initialized (flashing).
- Press [LAP/RST] button to move left to review the history readings of the past 24 hours. Once the cursor is located at the current time, the bottom display will show the time of the reading.
- Press [ST/STP] button to return to the Altimeter mode.
10.1 Altimeter Mode - Adjust Menu

Press and hold the [SELECT] button in the Altimeter mode to enter the adjustment display. There are four adjustment methods:

Zero Altitude
- Make altitude to zero for relative altitude measurement.

Absolute Altitude
- Set altitude to known value, which can be recalled for next setting.

Sea Level Pressure
- Input specific sea level pressure. Please contact your local observatory for the specific sea level pressure value in your area.

Factory Default
- Restore to default factory setting where assume sea level pressure is 1013,2 mb.
- Altitude is calibrated independently on each mode. For example, if absolute altitude is selected, effect of the sea level pressure on the previous setting will be ignored.

10.2 Altimeter Mode - Zero Altitude Adjustment

To Measure the Relative Altitude
- The La Crosse Technology XG-55 wrist watch can measure relative altitude. For example, it can measure the ascending or descending altitude between the starting point and the finishing point of a trail.
- To measure the ascending or descending altitude of a trail, set the altitude to zero as a reference point, such as the starting point of a trail.

To Set the Altimeter to Zero
- Press and hold the [SELECT] button: The top display will change to [ZERO].
- Press [STP/STR] or [LAP/RST] button to select [YES] or [NO].
- Press and hold the [SELECT] button to confirm selection.
- When [YES] is confirmed, [DONE] will show, and the display will automatically return to the Altimeter mode.

After the La Crosse Technology XG-55 wrist watch is set to zero, the watch will display the relative altitude continuously, hence, you can monitor your ascending or descending altitude.

To restore the factory default, please refer to the section 10.5 - Altimeter Mode - Factory Default.

10.3 Altimeter Mode - Absolute Altitude Adjustment

Why the Altimeter needs to be calibrated:
- Absolute altitude is calculated from the air pressure, the change of air pressure would affect the altitude reading.
- To achieve a more accurate reading, the La Crosse Technology XG-55 wrist watch needs to be calibrated from time to time as pressure may change gradually, even within hours.

Before Calibrating the Altimeter
- Calibrate the altimeter at a place where the altitude is determined, such as sea level. (On this model or beside an altitude sign pole (e.g. 897 m)). Input this value into the La Crosse Technology XG-55 wrist watch during the calibration procedure.

Calibration Procedures
- In the Altimeter mode, press and hold the SELECT button for 2 seconds. When [ZERO] is shown in the top display, press the [SELECT] button to select the Altimeter adjustment display (ALT).
- Press [STP/STR] in Absolute Altitude Display.
- While the digits are selected (flashing), press the [STP/STR] button to increase the digit amount. Press and hold the [STP/STR] button to increase the digit quickly.
- Press the [LAP/RST] button to decrease the digit amount. Press and hold the [LAP/RST] button to decrease the digit quickly.
- Press and hold the [SELECT] button for 2 seconds to confirm the setting. The display will automatically return to the Altimeter mode.

10.4 Altimeter Mode - Sea Level Pressure Adjustment

Why the Sea Level Pressure needs to be adjusted:
- Since the altitude is calculated from the changes in air pressure, the Sea Level Pressure will change depending on your location.
- To achieve a more accurate reading, the Sea Level Pressure should be updated when you move from one location to another.

To adjust the Sea Level Pressure
- Press and hold the [SELECT] button for 2 seconds. The top display will show [SEL].
- Press the [STP/STR] button: The Sea Level Pressure is selected (flashing).
- Press the [STP/STR] button to increase the digit amount. Press and hold the [STP/STR] button to increase the digit quickly.
- Press the [LAP/RST] button to decrease the digit amount. Press and hold the [LAP/RST] button to decrease the digit quickly.
- Hold the [SELECT] button to confirm the setting. The display will automatically return to the Altimeter mode.

After confirming the value, the Sea Level Pressure will appear at the left of the top display. This indicates the Sea Level Pressure has been calibrated.
10.5 Altimeter Mode - Factory Default

You can restore the Factory Default settings, assuming the Sea Level Pressure is 1013.2mb.

To Set the Factory Default:
• Press and hold the [SELECT] button for 2 seconds. The display will show [DEFL].
• Press the [DEFL] button to select [ON].
• Press the [ST/STP] button.
• Press the [SELECT] button to confirm the setting.
• When [ON] is confirmed, [DONE] will show, and the display will automatically return to the Altimeter mode.

11.0 Compass Mode - Precautions

Precautions when using the Compass:
• Keep your La Crosse Technology XS-55 wrist watch away from magnetic or metallic objects which may contain magnetic objects, such as mobile phones, speakers, motors, etc.
• The La Crosse Technology XS-55 wristwatch, like most magnetic compasses, points to the magnetic North, which is slightly different from the true North. Check section "11.2 Compass Mode - Magnetic Declination" for more information.
• Perform the compass calibration from time to time, to optimize the precision of the La Crosse Technology XS-55 wristwatch.
• To achieve a accurate result, you should avoid measuring a direction under the following conditions:
  o The watch is too close to magnetic objects.
  o The watch is too close to metallic objects.
  o The watch is too close to an electrical appliance.
  o The watch is inside a moving object or a concrete building.

11.1 Compass Mode - Compass Directions and Bearing Directions

The Direction of an Object:
• The direction of an object from a point is specified in either compass directions or bearing directions.
• The La Crosse Technology XS-55 wrist watch provides 16 compass directions and 16 bearing directions.

The Compass Directions:
• The compass directions are shown on the graph.
• For example, in the figure on the left, the compass direction of Object B from point A is east. The compass direction of Object C from point A is southeast. The compass direction of Object D from point A is northwest.

The Bearing Directions:
• The bearing direction of an object is defined as the angular difference between North and the object. (Assume zero (0) for North, and the measuring range is from 0 to 359 degrees).
• For example, in the figure on the left, the bearing direction of Object B from point A is 90°. The bearing direction of Object C from point A is 135°. The bearing direction of Object D from point A is 315°.

11.2 Compass Mode - Compass Mode

Compass Mode:
• In the Compass mode, the top display shows the compass direction.
• The middle display shows the digital bearing direction.
• The bottom display shows the current time in hours and minutes.
• The indicators encircle the display show the direction of magnetic North analogically.

Idle Mode:
• If no keys are pressed within a minute, the La Crosse Technology XS-55 wrist watch will automatically go into Idle mode. Press any button to reactivates the compass.

Distortion:
• If distortion is detected (e.g. not level), "OFF CAL" with flashing digits will show.
• Users can refer to section "7.8 - Compass Mode - Calibrating the Compass" when distortion occurs.
11.3 Compass Mode - Backward Bearing Direction and Compass Lock

**Backward Bearing Directions**
- The La Crosse Technology XG-55 wrist watch has a built-in function which shows backward bearing direction of an object.
- The backward bearing direction is the opposite direction from the normal bearing direction.
- When the 'Backward Bearing' indicator appears, the La Crosse Technology XG-55 wrist watch displays the backward bearing direction of the object.
- Press the 'ST/STP' button to select between normal and backward bearing directions, in the Compass mode.

**Compass Lock**
- The La Crosse Technology XG-55 wrist watch includes a lock function for important direction readings.
- In the Compass mode, press the [LAP/RST] button to lock/unlock the direction readings.
- When the 'Lock' indicator appears, the La Crosse Technology XG-55 wrist watch holds the direction readings.
- The lock status will be released when the watch enters IDLE mode.

11.4 Compass Mode - Applications of the Compass

**Check your position by Backward Bearing Directions**
- Spot two distant identifiable landmarks such as mountains, lights, and buildings from your current position. For example, point A and B (see graphic).
- Check the backward bearing directions of point A and B from your current position. Such as 239° for point A and 270° for point B.
- Use a ruler to draw the line 270° on the map, which starts from point A. Draw the line 270° on the map, which starts from point B.
- Your current position on the map will be the intersection point (point A) of the lines.

**Check that the Hiking Course is Correct**
- During a hike, the La Crosse Technology XG-55 wrist watch can keep you on the correct course. For example, the trail starts from point A and finishes to point B, as drawn on the map (see graphic).
- Mark the points (identifiable landmarks) where the trail turns its direction or branches out. Mark it at point A, B, C, D, and E on the map (see graphic).
- Find the bearing directions from point A to point B (315°), point B to point C (210°), point C to point D (295°), and then from point D to point E (215°).
- During the hike, make sure that your direction is 315° from point A to point B. Perform similar looking points in other sections of the trail.

11.5 Compass Mode - Magnetic Declination

**What is Magnetic Declination**
- The Magnetic North Pole is slightly different from the True North Pole (see graph). The Magnetic North Pole is called magnetic declination. The amount (degrees and minutes) direction (eastward or westward) depends on your location.
- For various compass users who intend to perform accurate navigation, the compass must be adjusted to compensate for the magnetic declination.
- The La Crosse Technology XG-55 wrist watch includes a compensation setting for Magnetic Declination. Check section "11.6 Magnetic Declination Compensation," for more information on this setting.

**Magnetic Declination Information**
- Most topographic maps include a small arrow which shows the declination direction.
- For the benefit of La Crosse Technology XG-55 wrist watch users, this manual includes the Magnetic Declination for some major cities. Check the section "11.6 Magnetic Declination Compensation at Major Cities."
- For those cities whose names are not included on the list, please refer to these websites:

11.6 Compass Mode - Magnetic Declination Compensation

**Magnetic Declination Compensation**
- Compensate an object's bearing by subtracting westerly (W) magnetic declination or adding easterly (E) magnetic declination with the magnetic bearing.

**Example 1** (see graph)
- If 25° W (westerly magnetic declination and the compass needle points 325° MB), what is the true bearing (TB)?
- (TB) = (MB) + (W) The true bearing is 330°.
- (TB) = 330° + 25° = 325° E.

**Example 2** (see graph)
- If 32° E (easterly magnetic declination and the compass needle points 278° MB), what is the true bearing (TB)?
- (TB) = (MB) + (E) The true bearing is 300°.
- (TB) = 278° + 32° = 310° W.

**The La Crosse Technology XG-55 wrist watch allows you to compensate for the compass bearing at a place where the magnetic declination is either westerly declination or easterly declination. Check section "11.6 Magnetic Declination Compensation." for more information on this setting.**
11.7 Compass Mode - Magnetic Declination at Major Cities

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<th>No.</th>
<th>Country/Place</th>
<th>Major City</th>
<th>Declination</th>
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<td>Afghanistan</td>
<td>Kabul</td>
<td>2°E</td>
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<td>Canberra</td>
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</tr>
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<td>Nepal</td>
<td>Kathmandu</td>
<td>2°E</td>
</tr>
</tbody>
</table>

11.8 Calibrating Mode - Calibration the Compass

To Calibrate the Compass:
- The La Crosse Technology XG-55 wrist watch must be calibrated in any of the following conditions:
  - The battery has been replaced.
  - The compass is being used in a different location from the last calibration.
  - The user would like to regulate the precision of the digital compass.
- The compass calibration includes two (2) different processes:
  - Rotation Calibration Mode
    - Press and hold the [SELECT] button under Compass Mode
  - Magnetic Declination Setting Display
    - Press and hold the [SELECT] button under Rotation Calibration Mode

11.9 Calibrating the Compass - Compass Rotation Calibration Mode

Rotation Calibration Mode
- Press and hold the (SELECT) button under Compass Mode.
- Press the [ST/STOP] button to start rotation calibration.
- Rotate the watch in the same direction of the rotating icon for more than 2 turns.
- Press the [ST/STOP] or [LAP/PRST] button to stop.
- After the calibration, press and hold the [SELECT] button to return to the Compass Mode display and start taking measurements.

11.10 Calibrating the Compass - Magnetic Declination Mode

Check section "11.7 Compass Mode - Magnetic Declination at Major Cities" to get the magnetic declination of the city nearest to your current position. Input this angle into the La Crosse Technology XG-55 wrist watch during the calibration.

Magnetic Declination Mode
- Press the [SELECT] button under Compass Mode.
- While the digits are selected (flashing), press the [ST/STOP] button to increase the digit amount. Press and hold the [ST/STOP] button to increase the digit amount.
- Press the [LAP/PRST] button to decrease the digit amount. Press and hold the [LAP/PRST] button to decrease the digit amount.
- Press and hold the [SELECT] button to confirm the setting and automatically return to the Compass Mode display to start measuring.
12.0 Low Battery Indication & Battery Replacement

Low Battery Detection:
- When the low battery indicator appears on the display, it is recommended to replace the battery with a new CR2032 battery.
- If the appearance of the low battery indicator is caused by using the La Crosse Technology XG-55 wrist watch under very cold conditions, the indicator will disappear once the watch returns to normal temperatures.

NOTE:
- It is recommended to have the battery replaced by a certified service agency, because the La Crosse Technology XG-55 wrist watch contains precious electronic sensors and components.
- The memory will be cleared when the battery is replaced.
- Review section 11.8 Compass Mode—Calibrating the Compass to re-calibrate the compass before use.

13.0 Specifications

Current Time Mode
- Hour, minute, second, am and pm (in 12 hour mode), month, date, and day of the week. Barometer, pressure history display, altitude history, or current temperature.

Time System
- 12-hour or 24-hour

Calendar System
- Auto-Calendar pre-programmed from the year 2004 to 2058

Weather Forecast
- 5 symbols to indicate weather forecast

Alarm Mode
- 2 daily alarms
- Hourly chimes

Alarm Sounds
- Sounds for 30 seconds at set alarm time

Chronograph Mode
- Resolution: 1/100th second
- Measuring Range: 99 hours 59 minutes, 59.99 seconds

Timer Mode
- Resolution: 1 second resolution
- Measuring Range: 99 hours 59 minutes 59.99 seconds

Operation Mode
- Countdown

Quick Set
- 4 Quick Set Values (4, 8, 16, and 32 minutes)

Sport Sounds
- Sounds for 30 seconds when count reaches zero

Digital Barometer Mode
- Resolution: 1 inch Hg
- Measuring Range: 29.95 to 30.55 in Hg (-1000 to 1052 mbar)

Sampling Interval
- First 5 minutes: 1 second
- After 5 minutes: 1 minute

Backlight
- Electro-Luminescent (EL) backlight

Water Resistant Case
- Up to 30 feet

Battery
- Sino 3V lithium battery (CR2032)

Battery Life
- Approximately 1.5 years under the following conditions:
  - 30 seconds alarm operation per day
  - 5 seconds EL backlight operation per day
  - 5 minutes sensor mode operation per day

Low Battery Detection
- Battery voltage is less than 2.4V +/- 0.2V
WARRANTY INFORMATION

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd’s authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner’s manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference... This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN’S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology, Ltd
2809 Losey Blvd S.
La Crosse, WI 54601
Phone: 608.782.1610
Fax: 608.796.1020

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support@lacrossetechnology.com
(warranty work)
sales@lacrossetechnology.com
(information on other products)

web:
www.lacrossetechnology.com

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