The functionality of a smartwatch combined with the reliability of outdoor gear. Activities are changing. Lifestyles are changing, too. Experience something new every day with PRO TREK Smart.
Military Standard compliance

The watches conform to the MIL-STD-810G standard for durability established by the U.S. Department of Defense. Casio has confirmed that it operates properly in widely varied environments, meeting users’ toughest outdoor needs.

5-bar water resistance

Water resistance is achieved, even with a microphone installed. Keep your watch on while enjoying activities such as swimming or fishing.

WSD-F30 DESIGN & TECHNOLOGY

New for an improved fit when worn. Compact design

With slate-gray remaining unchanged, the watch case has been significantly downsized due to the miniaturization of parts. Women and people with slender arms can wear the watches with a comfortable fit for long periods of time.

Dual layer display

A monochrome LCD that simultaneously displays both the current time and sensor readings joins a new, high-contrast OLED display. Switch between the two types to achieve both low power consumption and superior readability.

Adjust power consumption according to how you use the watch with three selectable battery modes.

1. Normal use

When you want to use all smartwatch functionality.

2. Extend mode

For two nights and three days of activity

3. Multi-Timepiece mode

For six nights and eight days of activity

Battery life

3 days

1 month

When you want to keep power consumption low.

When you want to use all smartwatch functionality.

Display a graphical map in the background behind the displayed time, for a colorful representation of the places you visit. Express the joy of traveling the world.

Customize according to your preference.

Original watch faces

Display a traditional analog watch face, or a simple digital watch face with the time and sensor readings. Select one of two styles: a display for the outdoors or one for everyday use.

For easy readability and low power consumption.

• OLED display + monochrome LCD

Low power consumption and high readability are balanced in a dual-layer display. This is convenient when you want to use the device as an analog watch.

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v 5-bar water resistance*2

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Experience something new.

For those who want to spend time how they want to, and for those who aim for greater heights. A large collection of apps are your guide and partner. Experience something new while enjoying your favorite activities.

**Experience something new.**

Even when beyond the range of radio signals, your current position is displayed on the route guides for various places around the world. Note: You must download a map in advance.

**ViewRanger**

This GPS mountain-climbing and trekking app is for lovers of the outdoors the world over, and allows users to check route guides, maps, navigation, and their progress. Users can plot waypoints to create their own original courses. (App provided by Augmentra Ltd.)

**ViewRanger**

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Record places where you caught fish on the map. This is helpful when you want to efficiently search for fishing spots.

**ACTIVITY:** Fishing

- **Tool:** Tide graph
  - Calculate the period of time during which fish are more active, and receive notifications of the best time to go fishing.

**MOMENT SETTER**
Don’t miss a time to fish
- Estimate fish movements based on tide data from the specified port.

**TOOL:** Tide graph
- Check changes in the tide.

Display fishing spots in the surrounding area on your map.
- Display photos of fish caught in various places. Check the size and size of different fish.
- Estimate your catch based on various types of fish.
- Display photos of fish caught in various places. Check the size and size of different fish.
- Display photos of fish caught in various places. Check the size and size of different fish.

Display helpful cycling-related information on the map, such as the locations of rest areas and repair shops.
- Search for a cycling route from a collection of over 3.4 million cycling routes covering 80 different countries. Download a map and a route to your watch so that you can refer to your current location and route even without connecting your smartphone.

**ACTIVITY:** Cycling

- **Tool:** Tide graph
  - Continuously measure and readily display ride data, such as speed, distance, and time.

**CASIO MOMENT LINK**
Share data with friends
- Form a party with your friends to share messages and your locations.

**Casio pro trek Smart**
Manage your pace with ease, whether you’re going solo or with a group.

**Display helpful cycling-related information on the map, such as the locations of rest areas and repair shops.**

**Display helpful cycling-related information on the map, such as the locations of rest areas and repair shops.**

**Display ride data, such as speed, distance, and time.**

**Bikemap**
This app contains map data for over 3.4 million biking routes all over the world. Discover the perfect routes in total without any points. Suitable for bikers of all skill levels.

- Search for a cycling route from a collection of over 3.4 million cycling routes covering 80 different countries. Download a map and a route to your watch so that you can refer to your current location and route even without connecting your smartphone.

**FEATURED APPS**
- Fishbrain
  - Check fishing spots worldwide, and share photos and data about what you caught.
  - The locations where fish were caught with other fishing enthusiasts.

**ORIGINAL CASIO APPS**
- Bikemap
  - Discover the perfect routes, no matter what country you’re in. Suitable for bikers of all skill levels.

**iOS support**
- Basic cost to use: Free (with paid plans available)
- Availability when using only the watch: Note: A smartphone is required for initial setup and for some app functionality.
**Paddle**

Record your route, from departure to return.

- **LOCATION MEMORY**
  - Check your route
  - Guide for departure

- **MOMENT SETTER**
  - Check your direction of movement

- **TOOL:**
  - Compass

**ACTIVITY:** Paddling

**CHECK YOUR PROGRESS**

- Manage your pace
- Check current direction

- **MOMENT PATTERN**
  - Record your speed when it exceeds a specified value.
  - Check your progress on a daily basis.

- **100% AUTOMATIC**
  - Block the setting of the camera and the direction in which the sun will move, which is useful for taking photos of the sunset.

**MOMENT SETTER**

- Guide for departure

- **TOOL:**
  - Sunrise/sunset

**CHECK YOUR DIRECTION OF MOVEMENT**

- **TOOL:**
  - Compass

**CHECK DIRECTION**

- Check the orientation in which you should be heading, even in locations with no clear landmarks.

**Display**

- Speeds by using different colors.
- Check the maximum skiing speeds and the distance.

**Tool:**

- Altimeter

**CHECK ELEVATION**

- Display the elevation at your present location, as well as altitude traversed up or down.

**Display**

- Measure altitude
- Measure speed
- Measure average speed

**Display**

- Link up with the gliding action to automatically calculate elapsed time and distance traveled.
- Display your maximum and average gliding speeds.

**Display**

- Display skiing conditions for the day.

**Tool:**

- Sunrise/sunset

**CHECK SUNSET DIRECTION**

- Check the orientation in which you should be heading, even in locations with no clear landmarks.

**Display**

- Measure altitude

**Display**

- Measure speed

**Display**

- Measure average speed

**Display**

- Link up with the gliding action to automatically calculate elapsed time and distance traveled.

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**Display**

- Display your maximum and average gliding speeds.

**Display**

- Display the elevation at your present location, as well as altitude traversed up or down.
**Golf**

Check the distance to the green.

**Surfing**

Don’t miss the perfect wave.

**Horse riding**

Manage your training and horse-riding experiences.

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**FEATURED APPS**

**HOLE19**

- Golf GPS for Smartwatch

**Glassy Surf Report**

- Forecast

**Equilab**

- Horse-riding analysis

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**Golf**

This global golfing app covers over 42,000 golf courses in 185 world countries, helping golfers with real-time GPS tracking of their scores and calculated yardage.

**Surfing**

- Glassy Surf Report

Don’t miss the perfect wave with this app that provides real-time wave reports and predictions, allowing you to find the ideal surfing conditions.

**Horse riding**

- Equilab

Manage your horse-riding training records, tracks your horse’s movements, and provides insights into its performance.

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**Note:** A smartphone is required for initial setup and for some app functionality. iOS support is available.

Basic cost to use: Free (with paid plans available)

Availability when using only the watch: Free (with paid plans available)
Exercise according to the on-screen navigation. Manage your pace and select from a menu of exercise created on your smartphone. Display your progress by using menus for warmups, rest times, exercise, and more. This app helps you with your workout and fitness routines, whether you’re at the gym or at home. Interval training, high-intensity interval training, and Tabata workouts are just some of the options available from a customizable menu. (App provided by NeuronDigital)

Display your speed, distance, and time while walking or running in real time. Engage in interval training while following a story. Gain items when you’re finished, and gradually increase locations where you’re safe from the zombies. (App provided by Six to Start)

Display animated weather maps. Display changes in the weather and temperature at one-hour intervals. This helpful weather information app predicts the weather by displaying an animated depiction of weather changes in the surrounding area. (App provided by ACME AtronOmatic)

For efficient workouts.
Exercise Timer
- Menu selection
- Manage your pace
- Check your progress
- Select from a variety of exercise created on your smartphone.
- Display your progress using menus for warmups, rest times, exercise, and more.
- Engage in interval training while following a story.

For weather predictions.
MyRadar
- Menu selection
- Check the day’s weather
- Check the weather for tomorrow and later days
- Display changes in the weather and temperature at one-hour intervals
- Display the weather, temperature, and chance of rain for tomorrow and later days
- Check amount of rain
- Display animated weather maps
- Check whether rain is headed in your direction or moving away from you, and at what speed

MySwimPro
- Record and analyze your swimming.
- Manage swimming distance records by day, week, or month.
- Display records by selecting stroke and distance.
- Measure records
- Record and analyze a variety of log data while swimming, including number of strokes, lap times, and distance.

Zombies, Run!
- Menu selection
- Manage records
- Select from a menu of exercise created on your smartphone.
- Display your speed, distance, and time while walking or running in real time.
- Engage in interval training while following a story.
- Gain items when you’re finished, and gradually increase locations where you’re safe from the zombies. (App provided by Six to Start)

FEATURED APPS
Swimming
Record and analyze your swimming.
Running
Have more fun running.
Exercise
For efficient workouts.
Weather
Predict sudden weather changes.

MySwimPro
- Display records by selecting stroke and distance.
- Manage swimming distance records by day, week, or month.
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For details about these apps, contact the app providers. This apps are not guaranteed against damage or malfunctions experienced. The use of some apps may involve hazards such as cold weather or high winds. Data is subject to discontinuation or charge without notice. Additional installation from third party sources may be required. Consult the app providers for licensing and other conditions.

Note: A smartphone is required for initial setup and for some app functionality. iOS support
Basic cost to use: Free (with paid plans available)
Availability when using only the watch
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Basic cost to use: Free
Availability when using only the watch
Basic cost to use: Free (with paid plans available)
A wearable map on your wrist.

Now including GPS functionality that supports three satellite positioning systems, as well as color map functions. Determine your current location with a high degree of accuracy, and display a high-definition map. Check your current location on the map even when you can’t receive a cellular signal, and further expand the range of your outdoor activities.

Find your location using only your watch (GPS equipped)

The watch is capable of receiving stable position data due to its support of three satellite positioning systems: the United States GPS system, Russia’s GLONASS, and Japan’s Michibiki. Because the watch includes GPS functionality, you can calculate your current location even without a smartphone.

Display your current location on the map, even when you’re not getting a signal (Offline map support)

Whether you’re out in the field where your smartphone is not receiving a signal, or at another place where you’re engaged in activities such as water sports where smartphones are inconvenient to use, by downloading the map for your destination in advance, you can check your current position on the map. You can download up to five maps of world locations.

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Display a wealth of information in real-time, from your map and your travel route to data such as speed, distance, altitude, and air pressure changes.

Use this information to help you quickly ascertain your status and take the right actions. Even the monochrome LCD screen displays some of the data from sensor readings.

Set up conditions in advance to receive notifications about the information you need while your activities are being tracked. This information not only helps you make sure not to miss the best times for events like the sunrise, but also helps you manage your pace and increase your motivation.

• Notifications upon reaching or departing from a destination point are not available when connected to an iOS device.
• Functions available for use in this app when connected through iOS are restricted.

Use simple operations to form parties on the spot, without the need for anyone to register an account.

Check the location of your members on the map, and send messages to each other to share the enjoyment of your activity.

• This app cannot be used when the watch is connected to an iOS device, but the app can be used from an iOS device by itself.
• This app uses your smartphone’s cellular network or GPS. The app cannot be used in locations where your smartphone does not receive a signal or in locations where GPS data cannot be acquired.

Save measurement data and have it backed up automatically to Google Drive™. You can also view information from other Google services, such as Google Calendar™ and Google Earth™, from your smartphone or PC.

These services require an update to the latest version of the Casio app.

Vibration to notify you of information
Notifications are indicated by using vibration, which gets you the message even when you’re busy with outdoor sports.

Check member status on the map
Group up even with others who don’t have a PRO TREK Smart.

Display the measurements that are required for your various activities.

Supports backups of measurement data
Save measurement data that you have stored automatically to Google Drive™.
• The measurement data can be imported into Google Sheets™ as a CSV file (has already been uploaded to Google Drive™) or opened from Google Drive™ and be modified from your smartphone or PC.

NEW

Display Notication content that are required for your various activities.

Send messages
Send messages to your members by using vibration to send notifications. You can tell the watch to send messages using the watch screen.

Group up even with others who don’t have a PRO TREK Smart.
Take control with your voice.

Various smartwatch functions are made even more convenient with Wear OS by Google. Use the Google Assistant™ or other functions to start your smart life, whether it is outdoors or throughout daily living.

**Support**
- Google Assistant
- Google Keep™
- Google Translate™
- Calendar notifications

**Communication**
- SMS notifications
- Gmail notifications
- Incoming call notifications*

**Enjoy**
- Google Play Music™
- Media controls
- Google Play™ Store
- Google Fit™

**Control your music from your wrist!**
- Download music to your watch, and play it back without using your smartphone.
- Conveniently control music and volumes.

**Search for the apps that you like!**
- Find the things you want. Some apps are pre-installed in apps to improve your work efficiency.

**Manage your physical condition by recording how much you exercise!**
- Record data on your activities, such as step count or calories burned, and check your progress towards your goals.

**Simple exchange of messages!**
- Receive direct notifications of incoming calls, email, and messages. Check your communications easily, even in places where it’s hard to get out your smartphone.
- Directly reply to text messages by simply speaking into the microphone on the watch.

**Convert spoken words to text just by speaking into the microphone. It’s easy to take memos or create to-do lists.**

**Translate spoken words into the specified language.** This is helpful on business trips or vacations.

**Directly reply to text messages by simply speaking into the microphone on the watch.**

**Take control with your voice.**

**Voice input**
- Make every day more fun, and more for you.

**Support at your fingertips for whatever you want to learn about!**
- Start the app using the word “OK Google” in the notification or reminders, or right away about the things you want to know.

**Something bugging you? Then make a voice memo!**
- With voice memos, voice memos are recorded and saved as audio files. It’s easy to take memos or create to-do lists.

**Feel at ease when visiting other countries, with voice translation functions!**
- Direct voice translation into the specified language. This is helpful on business trips or vacations.

**Check your schedule with reminder notifications!**
- Remind direct notifications of any appointment or calendar scheduled in Google Calendar.

**Start the app by saying the words “OK Google” into the microphone. Receive responses right away about the things you want to know.**

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See this link for the latest information regarding Wear OS by Google support. https://support.google.com/wearos/
WSD-F30
A compact size that does not obstruct movement, with superior readability and low power consumption. Expand the range of your activities, from the outdoors to daily living.

WSD-F20A
Outdoor gear to simulate the adventurer’s spirit. Intuitive touch controls on a large LCD interface.

Included accessories
- AC adaptor
- Special charger cable

Supported models
- WSD-F30
- WSD-F20A

Accessories

- Removable cloth band WSA-BX1
- Charging holder WSA-H1

• WSA-H1 does not come with the WSD-F20 / WSD-F20A or a charging cable.
• This accessory is not compatible with the WSD-F30.

The latest information on accessories is available here: https://wsd.casio.com/option/
### Main specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>WSD-F30</th>
<th>WSD-F20A</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS</td>
<td>Wear OS by Google</td>
<td>Android™ 4.4 or later (excluding the Go edition)</td>
</tr>
<tr>
<td>Display</td>
<td>1.2-inch, dual layer display - OLED (390 x 390 pixels) and monochrome LCD</td>
<td>1.32-inch, dual layer display - Color TFT (320 x 320 pixels) and monochrome LCD</td>
</tr>
<tr>
<td>Touchscreen</td>
<td>Capacitive touchscreen (anti-fouling coating)</td>
<td>Compatible (including GLONASS and Michibiki)</td>
</tr>
<tr>
<td>Color Maps</td>
<td>✅ (supports offline use)</td>
<td>✅ (supports offline use)</td>
</tr>
<tr>
<td>Environmental Durability</td>
<td>Compliant with 9 items of MIL-STD-810G (United States Military Standard issued by the U. S. Department of Defense)</td>
<td>Compliant with 9 items of MIL-STD-810G (nine items tested for the WSD-F30, for which low-pressure transport testing was not performed)</td>
</tr>
<tr>
<td>GPS</td>
<td>Compass (magnetic sensor, pressure (air pressure), altitude sensor, accelerometer, gyrometer)</td>
<td>✸ Support for offline use</td>
</tr>
<tr>
<td>Battery</td>
<td>Lithium-ion battery</td>
<td>Lithium-ion battery</td>
</tr>
<tr>
<td>Charging Method</td>
<td>Magnetic charging terminal</td>
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<td>Display</td>
<td>1.2-inch, dual layer display - OLED (390 × 390 pixels) and monochrome LCD</td>
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</tr>
<tr>
<td>Compass (bearing measurement)</td>
<td>Range of measurement: 0° to 359°**, unit of measurement: 1°, continuous bearing measurement: 1 minute, northern direction indicator, magnetic declination correction, bearing memory, indication correction</td>
<td>Range of measurement: 0° to 359°**, unit of measurement: 1°, continuous bearing measurement: 1 minute, northern direction indicator, magnetic declination correction, bearing memory, indication correction</td>
</tr>
<tr>
<td>Altimeter</td>
<td>Range of measurement: -100 to 10,000 ft, unit of measurement: 0.1 ft, measurement accuracy within ±3 ft, when frequent corrections are applied, interval between altitude measurements: 1 minute, altitude change graph: past 24 hours, manual altitude correction, automatic altitude correction based on position data</td>
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</tr>
<tr>
<td>Tides and fishing</td>
<td>Tides graph: past 24 hours, fishing times: current location and hour angle of the moon, calculation based on lunar age</td>
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</tr>
<tr>
<td>Activity graph**</td>
<td>Activity patterns in one day: at rest, walking, running, riding in a vehicle/cycling; calories burned; step count; altitude (elevation reached on that day); exercise time</td>
<td>Activity patterns in one day: at rest, walking, running, riding in a vehicle/cycling; calories burned; step count; altitude (elevation reached on that day); exercise time</td>
</tr>
<tr>
<td>No. of Overloaded Maps Saved</td>
<td>Up to 5 places</td>
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</tr>
<tr>
<td>Size/Weight</td>
<td>Approx. 40.5 x 53.8 x 14.9 mm (H x W x D of the watch only), approx. 38.5 g (including wristband)</td>
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</tr>
<tr>
<td>Possible Band Sizes</td>
<td>Soft urethane band: 140-210 mm (when attached)</td>
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</tr>
</tbody>
</table>

### Operating Environment

The use of this watch requires a smartphone running one of the following operating systems.

<table>
<thead>
<tr>
<th>Android OS</th>
<th>iOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS 5.0 or later</td>
<td>iOS 9.3 or later</td>
</tr>
</tbody>
</table>

#### g.co/WearCheck

Visit g.co/WearCheck (provided by Google) with your smartphone to check its compatibility with Wear OS by Google.

1. Ten items tested under military specification MIL-STD-810G (nine items tested for the WSD-F30, for which solar radiation testing was not performed). *Shock: Tested to meet MIL-STD-810G Method 514.7 Procedure N. *Vibration: Tested to meet MIL-STD-810G Method 514.7 Procedure N. *Humidity: Tested to meet MIL-STD-810G Method 507.6 Procedure K. *Salar radiation: Tested to meet MIL-STD-810G Method 507.6 Procedure K. *Glow: Tested to meet MIL-STD-810G Method 508.6 Procedure I. *Low-pressure transport: Tested to meet MIL-STD-810G Method 509.6 Procedure I. *High-pressure transport: Tested to meet MIL-STD-810G Method 509.6 Procedure I. *Low-temperature transport: Tested to meet MIL-STD-810G Method 509.6 Procedure I. *Temperature shock: Tested to meet MIL-STD-810G Method 509.6 Procedure I. *Waterproof: Tested to meet MIL-STD-810G Method 521.4 Procedure I. (The device has been tested to perform under test conditions, but is not guaranteed to operate under all conditions in actual use. Not guaranteed against damage or accidents.) *2 Case test conditions. *3 The values provided here are based on measurement conditions defined by Casio. Actual values might vary depending on factors such as the environment in which the consumer uses the watch, the app being used, the smartphone to which the watch is connected, and the system configuration. *4 A color display auto OFF: When "Always have screen ON" is disabled in the screen settings. When the watch is not in use, the display switches to monochrome to extend battery life. Enabled by default for the WSD-F30.) *5 Regular color display: When "Always have screen ON" is enabled in the screen settings. When the watch is not in use, a color display with lower brightness and activity is used. Enabled by default for the WSD-F30.) *6 For measurements obtained from the ACTIVITY apps for cycling and trekking. *7 For measurements obtained every minute over 8 hours in one day by using the Extend mode app. *8 For measurements obtained in one day by using the Extend mode app. *9 When using the watch in Timepiece mode or when using the watch and sensors only in Multi-Timepiece mode, Wear OS by Google is disabled. *10 Actual altitude and elevation above sea level will not match due to the use of GPS-based altitude information. *11 Default: OFF. *12 Devices that support Bluetooth® and on which the Wear OS by Google app downloaded from Google Play can be installed. "12 Functions available for use when connected through iOS are restricted.

The product conforms to the harmonic current standard "JIS C 61000-3-2". This product conforms to or has obtained certification under the Radio Law, the Telecommunications Business Law, and the VCCI. Android™, Wear OS by Google, and Google are trademarks of Google LLC. •FITS is a trademark or registered trademark of Casio Systems in the United States. •Bluetooth is a trademark or registered trademark of Bluetooth SIG, Inc. •Wi-Fi is a registered trademark of the Wi-Fi Alliance. •Other service and product names are trademarks or registered trademarks of the companies concerned. •Battery life varies depending on the usage environment. •The use of the photographic and text contained herein on the Internet or for any other purpose is strictly prohibited.

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**Safety Precaution**

Be sure to read the instruction manual before using this device to ensure safe, proper use.

**Warning**

Do not use any power supply/voltage-charging cable or AC adapter other than those specified. Doing so may result in fire or electric shock.