EXTECH®

USER MANUAL

Compact Borescope

BR95

Table of contents

1 Introduction

Thank you for selecting the Extech BR95 Compact Borescope. This device provides real-time video monitoring and is ideal for inspecting the interior of pipes, conduits, ducts, and other narrow spaces. The BR95 can capture images and video to a micro SD card, for viewing directly on the BR95 monitor and for transfer to PC.

Optional sensors for temperature and humidity (BR95–RH), carbon monoxide (BR95–CO), and carbon dioxide (BR95–CO2), connect to the device's built-in USB-C port. The BR95 can display and log readings from these sensors and store them on a micro SD card. Log files include date and time stamping and can be opened in spreadsheet programs.

The package contains the BR95, printed quick start guide, USB cable, carrying case, and accessories (magnet, single hook, mirror, and accessory fixture).

This device is shipped fully tested and calibrated and, with proper use, it will provide years of reliable service. Please visit our website for customer support and the latest version of this user manual.

Features

- Digital 5.5 mm camera with 1280 x 720 pixels
- Flexible cable 3.3 ft. (1 m) with six adjustable lamps
- Large monitor 3.5 in. (8.9 cm) with 720 x 480 pixels
- Glare-free close-up field of view
- Image rotation and digital zoom
- Micro SD card storage for images, video, and data log files
- Data logging for optional USB sensors
- Rechargeable lithium battery

2 Safety

To ensure safety, read the following statements carefully before using this device. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

WARNING

- Risk of injury or loss of life if this product is used without heeding the published warnings.
- For industrial commercial use only.
- Do not use this system in environments where this is a risk of explosion.
- Do not use this system near flammable gas.
- The lighting produced by this device can cause eye injury if observed directly.
- Do not dispose of the battery in fire, as exposure to high temperatures may cause explosion.
- Battery disposal must comply with all relevant regulations.
- Improper handling or care may result in battery leakage, electrical shock, or burns.

CAUTION

Failure to heed the caution statements in this document can result in damage to the device.

- Do not forcibly bend the camera cable, the minimum bend radius is 1 in. (25 mm); damage to the instrument can result.
- The camera and cable are waterproof (IP67) but the main instrument, and the cable connection to the main instrument, are not waterproof. Please protect the main instrument from liquid and moisture.

2.1 CE NOTICE

This system is in conformance with the 2014/53/EU Electromagnetic Compatibility Directive standard.

2.2 RoHS NOTICE

This system is in conformance with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive. This means that our product is both lead-free and without the hazardous substances either in the manufacturing process or in the final product.

2.3 FCC NOTICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device

must accept any interference received, including interference that may cause undesired operation.

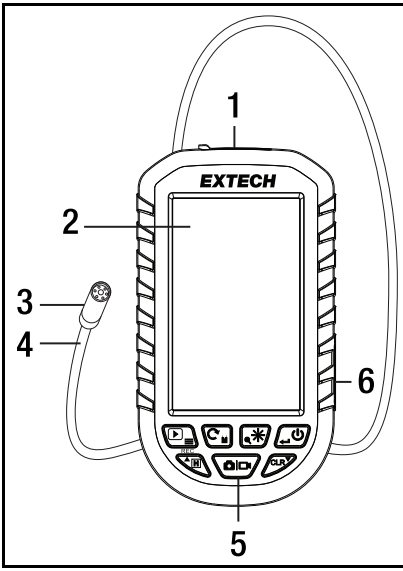
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

⚠ **WARNING**
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3 Description

3.1 Main Instrument

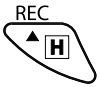


1. USB port
2. Monitor
3. Camera head
4. Camera cable
5. Control buttons
6. Micro SD card slot

3.2 Basic Display

1. Monitor for camera images and menus
2. Mode icons appear here. Image mode icon shown.
3. Rechargeable battery status icon
4. Date and time

3.3 Control Buttons

	Short press: Open image gallery Long press: Open settings menu
	Short press: Rotate camera image (or delete media in the gallery) Long press: Switch between camera image and full-screen sensor measurement mode (for optional sensors)
	Short press: Adjust camera lamps Long press: Zoom image
	Short press: Confirm (Enter) Long press: Power ON-OFF
	Short press: Freeze (Hold) optional sensor reading or navigate and change settings in menus Long press: Start/stop data logging (optional sensor)
	Short press: Capture image or video Long press: Select image or video mode
	Short press: Navigate and change settings in menus Long press: Reset MAX and MIN readings (optional sensors)

4 Rechargeable Battery

4.1 Battery Overview

The BR95 is powered by an internal rechargeable lithium battery. The battery status indicator is located in the upper right corner of the monitor. The battery is not user-serviceable. Contact customer support if the battery will not charge, or otherwise behaves abnormally.

4.2 Battery Charging

To charge the battery, connect the supplied USB cable to the BR95 (top) and to a standard commercial charger. A full charge requires 4 hours and provides 3.5 hours of continuous use.

The BR95 differentiates between a charger connection (battery charge icon is briefly displayed and then the BR95 switches OFF) or a PC connection (charge icon is displayed briefly and then 'USB DISK' is displayed for the duration of the connection). When connected to a PC, the BR95 behaves like a flash drive, allowing the user to manage stored images, video, and data log files.

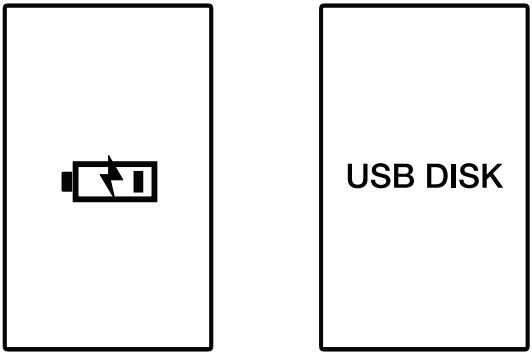


Figure 4.1 The BR95 differentiates between a connection to a charger (left) or to a PC (right).

To prevent overheating and abnormal battery conditions, the BR95 checks charging status every 30 minutes. Charging is stopped automatically if the battery is behaving abnormally, fails to charge after 5 hours, or if the ambient temperature is > 95°F (35°C).

5 Basic Operation

5.1 Power ON/OFF

Switch ON the BR95 by pressing the power button for 2 seconds and releasing. the display will switch ON after approximately three seconds of a black screen.

5.2 Camera and Cable

The camera cable coils around the BR95 for safe storage. Uncoil the cable to the desired length and carefully insert the camera head into the area under test. Coil the cable to its original position when testing is finished. If necessary, wipe the cable clean before storing.

5.3 Camera Lamps

To illuminate the area of inspection, short press the lamp button to step through the six (6) camera lamp brightness levels, and to switch the lamps OFF.

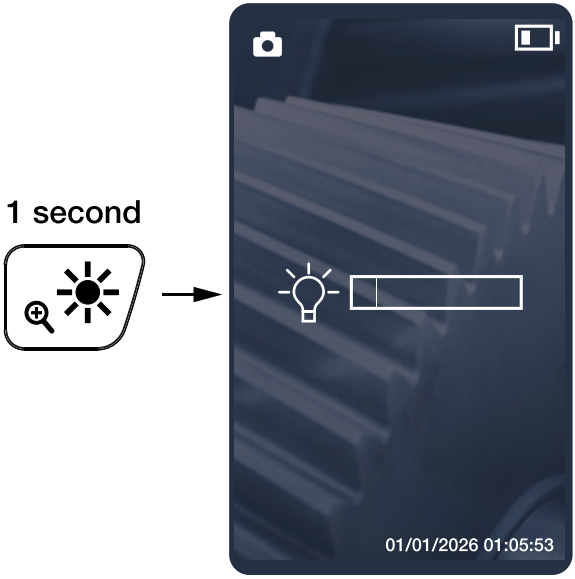


Figure 5.1 Setting the lamp brightness by short-pressing the lamp button.

5.4 Zoom Function

To zoom the camera image, long press the zoom button . There are three (3) zoom levels, 1x, 2x, and 3x.

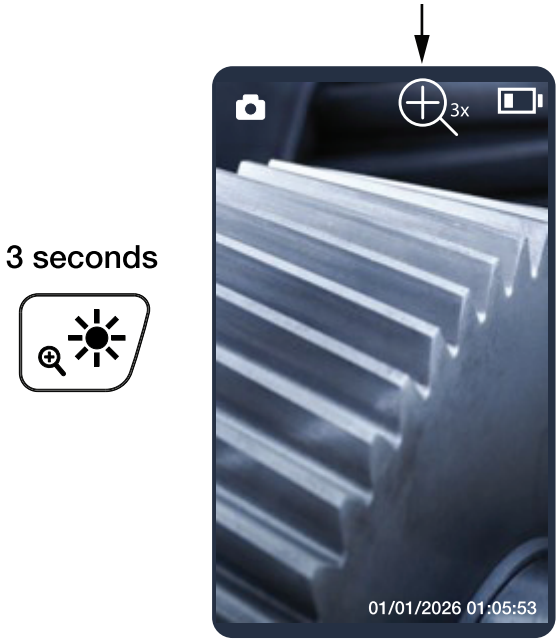


Figure 5.2 Setting the zoom level by long-pressing the zoom button.

5.5 Rotate Camera Image

Short press the Rotate button  to rotate the camera image 180°. Press again to return to normal view mode.

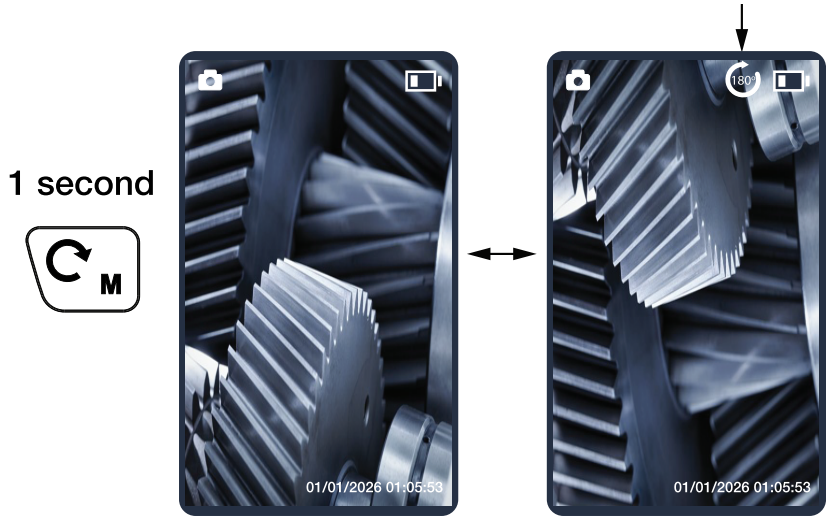


Figure 5.3 Rotating the camera image 180 degrees using the rotate button.

5.6 Display Hold for Optional Sensors

Short press the Hold button  to freeze an optional sensor's measurement reading. Press again to release. When display hold is active, the **H** icon will appear at the top of the monitor.

6 Supplied Camera Accessories

The BR95 is supplied with the following accessories: magnet, single hook, mirror, and the accessory fixture.

Place the single hook (B) or mirror (A) into the hole on the camera lens as indicated by the arrow in the diagram below, and then push the attachment fixture (C), as shown below, to secure it.

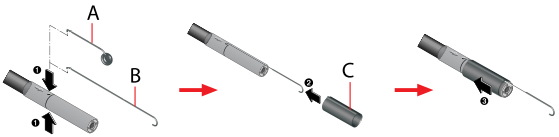


Figure 6.1 Attaching the single hook or mirror accessory.

Insert the magnet (E) into the attachment fixture (D), with the pointed end placed in the hole on the lens as indicated by the arrow in the diagram below, and then tighten the attachment fixture, as shown, to secure it.

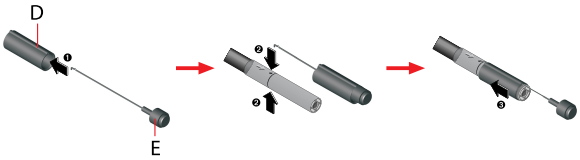


Figure 6.2 Attaching the magnet accessory.

7 Images and Video

7.1 Micro SD Card

Images and video are stored on a micro SD card. Cards up to 128 G in size may be used. With the BR95 powered OFF, insert the card in the slot on the right side of the BR95, under the protective flap. New SD cards are automatically formatted. Cards can be formatted, manually, in the Settings menu (Section 8).

7.2 Capturing Images and Video

The BR95 defaults to the image capture mode, where the image icon is shown on the upper left corner of the monitor. Short press the Image/Video button to capture an image. The image icon, on the upper left, will blink briefly.

To start video recording, long press the Image/Video button. The video icon will flash, the elapsed timer will start, and the red recording dot will flash. Long press the Image/Video button to stop and to restart recording. Short press the Image/Video button to return to the Image mode.

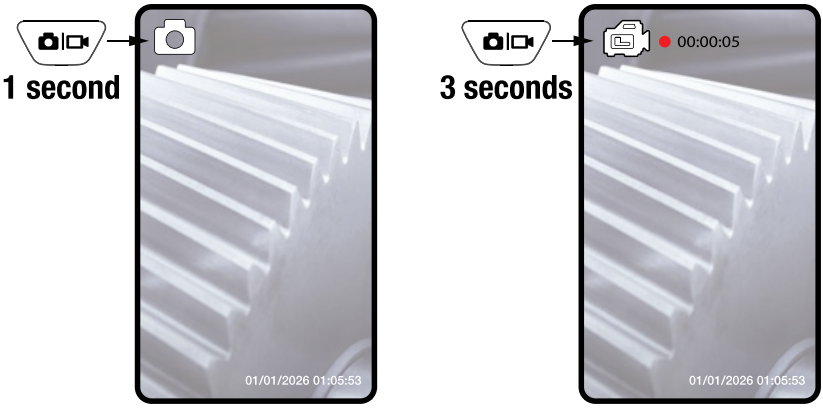


Figure 7.1 Image capture mode (left) and video recording mode (right)

7.3 Images and Video Gallery

Short press the Gallery button to open or close the media gallery. Media is stored on the micro SD card. Use the up/down navigation buttons (short

presses) in the gallery to select an image or video. Short press Enter to open an image or video.

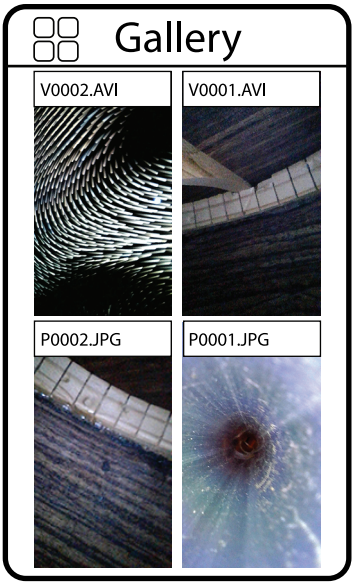


Figure 7.2 Image (.jpg) and Video (.avi) gallery

Pause and resume video using the Image/Video button , as shown.

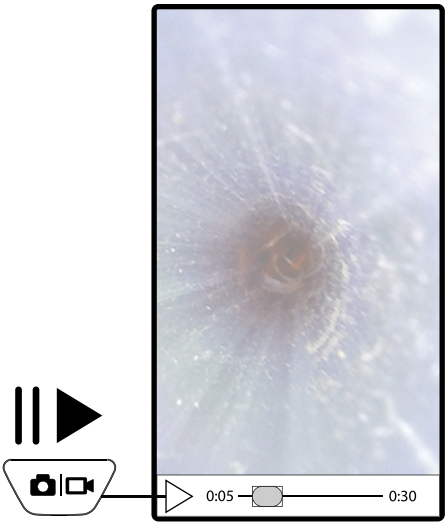


Figure 7.3 Pause and resume videos in the gallery using the Image/Video button.

To delete an image or video, short press the Mode button , at an opened image or video. A delete prompt will appear, press Enter to confirm the gallery button or press to abort.

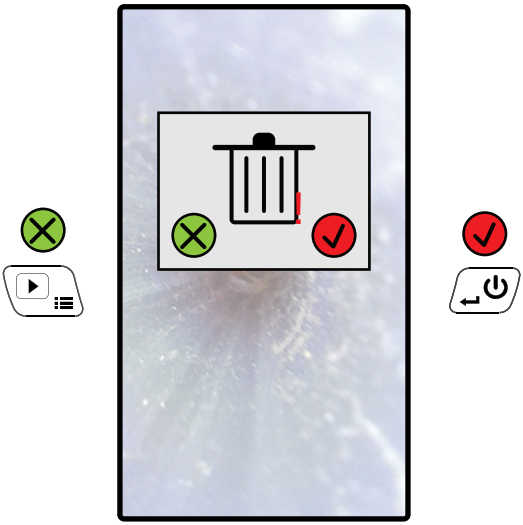


Figure 7.4 Deleting an image in the gallery.

7.4 Downloading Images and Videos to a PC

Connect the BR95 to a PC using a USB cable. The USB-C port is located at the top of the BR95, under the protective flap.

When communication with the PC is established, the BR95 monitor will briefly show the battery charging icon and then the message ‘USB DISK’ will appear and remain for the duration of the connection.

The BR95 can now be used as a flash drive. Images and videos are stored in the BR95 **DCIM** folder. Data log files, recorded using the optional USB sensors, can also be downloaded in this manner. However, data log text files (. csv format) are stored in the root directory of the BR95 drive.

8 Settings Menu

8.1 Settings Menu Overview

The Settings menu allows the user to customize the BR95. The basic menu items are shown in Figure 8.1, below. Additional menu items appear when an optional USB sensor is connected, as shown later in this section, and in Section 9, Optional Sensors.

Long press the Settings button to access the menu, and use the up and down arrow buttons to scroll. Press Enter to open a menu option. Each option is explained in the following sections.

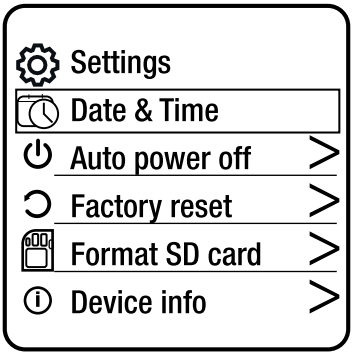


Figure 8.1 Basic Settings menu. When an optional USB sensor is connected to the BR95, additional menu items appear, as explained later in this section, and in Section 9, Optional Sensors.

8.2 Set Date and Time

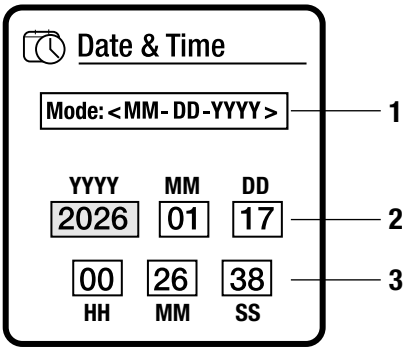


Figure 8.2 (1) Date format mode, (2) Date: year, month, day, (3) Time: hours, minutes, seconds.

1. Scroll to the Date & Time option, and press Enter.
2. Use the arrow buttons to navigate to the year, date, month, hours, minutes, and seconds fields.
3. Press Enter on the desired field. The highlight color will change from gray to white.
4. Use the arrow buttons to change the setting.
5. Press Enter. The highlight color will change from white to gray.
6. To change the date format mode, press to prepare the setting, and press CLR to toggle the formats (MM-DD-YYYY and DD-MM-YYYY).
7. Press Settings to return to the main menu.

8.3 Set APO Timer

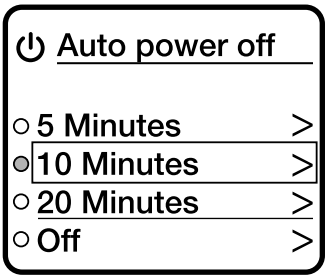


Figure 8.3 Set APO timer.

1. Scroll to the APO option, and press Enter .
2. Use the arrow buttons to navigate to the desired time.
3. Press Enter.
4. Press Settings to return to the main menu.

8.4 Factory Default Reset

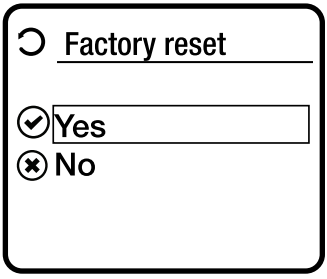


Figure 8.4 Reset to factory default by selecting 'Yes'.

1. Scroll to the Factory Reset option, and press Enter .
2. Use the arrow buttons to navigate to YES or NO.
3. Press Enter.
4. Select NO to abort and return to the main menu.
5. Select YES to reset to factory settings.
6. If necessary, press Settings to return to the main menu.

8.5 Format SD Card

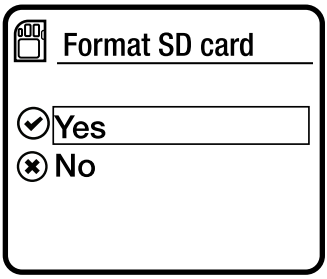


Figure 8.5 Format inserted micro SD card by selecting 'Yes'.

1. Scroll to the Format SD Card option, and press Enter.
2. Use the arrow buttons to navigate to YES or NO.
3. Press Enter.
4. Select NO to abort. Select YES to format the card.
5. If necessary, press Settings to return to the main menu.

8.6 View Device Information

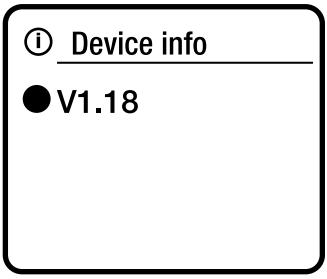


Figure 8.6 View firmware version in the Device Info menu option.

1. Scroll to the Device Info option, and press Enter.
2. In this menu, view the device's firmware version.
3. Press Settings to return to the main menu.

8.7 Set Data Logger Sample Rate (for optional sensors)

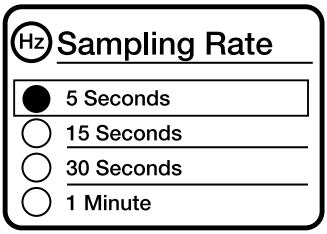


Figure 8.7 Set the rate at which the BR95 will log readings.

1. Scroll to the Sampling Rate option, and press Enter.
2. Use the arrow buttons to navigate to the desired rate.
3. Press Enter to confirm.
4. Press Settings to return to the main menu.
5. See Section 9, Optional Sensors, for additional data logger information.

8.8 Temperature and Humidity Alarm (BR95–RH optional sensor)

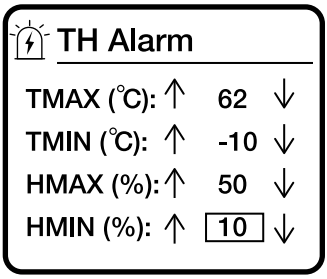


Figure 8.8 Set the high (MAX) and low (MIN) alarm limits for temperature (T) and humidity (H) using the arrow buttons.

1. Scroll to the TH Alarm option, and press Enter.
2. Use the arrow buttons to navigate to the desired alarm limit.
3. Use the arrow buttons to set the limit.
4. Press Enter to step to another alarm and repeat step 2.
5. Press Settings to return to the main menu.
6. See Section 9, Optional Sensors, for additional alarm information.

8.9 Temperature units (BR95–RH optional sensor)

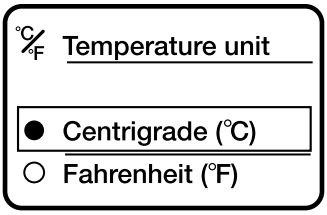


Figure 8.9 Set the temperature units. In this figure, Centigrade is selected.

1. Scroll to the Temperature Unit option, and press Enter.
2. Use the arrow buttons to navigate to the desired units.
3. Press Enter to confirm.
4. Press Settings to return to the main menu.

8.10 CO and CO2 Alarms (BR95–CO or -CO2 optional sensor)

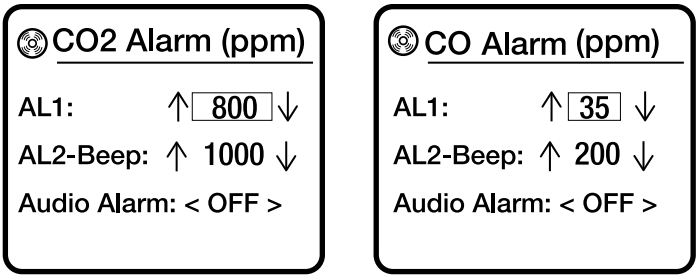


Figure 8.10 Set alarm 1 and 2 limits, and disable/enable the alarm beeper.

1. Scroll to the desired Alarm option, and press Enter.
2. Use the Enter button to step through Alarm 1, Alarm 2, and Audio Alarm fields.
3. Use the arrow buttons to set the alarm limits or to enable/disable the audio alarm beeper.
4. Press Settings to return to the main menu.
5. See Section 9, Optional Sensors, for additional alarm information.

8.11 CO2 Calibration (BR95–CO2 optional sensor)

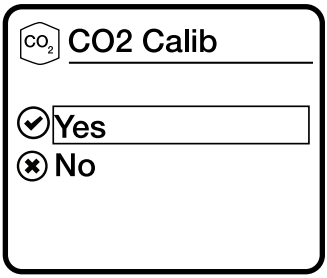


Figure 8.11 Select 'Yes' to initiate the CO2 calibration.

1. Scroll to the CO2 Calibration option, and press Enter.
2. Use the arrow buttons to select YES or NO and press Enter to confirm.
3. If YES is selected, another prompt will appear. press to continue or press to abort.
4. During calibration, keep the meter in open, fresh air. The on-screen timer will count down twenty minutes.
5. When complete, the meter will switch OFF.

9 Optional Sensors

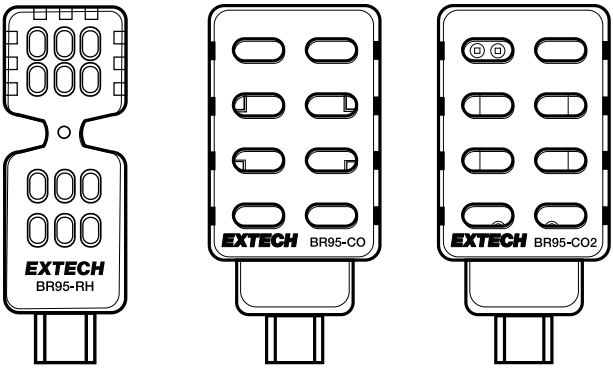


Figure 9.1 Optional USB sensors for temperature & humidity (BR95–RH), carbon monoxide (BR95–CO), and carbon dioxide (BR95–CO2)

9.1 Optional Sensor Overview

Optional sensors monitor temperature and humidity (BR95–RH), carbon monoxide (BR95–CO), and carbon dioxide (BR95–CO2). The sensors connect to the USB-C port, at the top of the BR95, under the protective flap. When sensors are connected, the BR95 automatically begins displaying and logging readings. There is a warm-up period for CO sensors (40 seconds), and CO2 sensors (70 seconds). Refer to the dedicated sections, below, for complete sensor instructions.

9.2 Temperature and Humidity Sensor (BR95–RH)

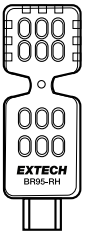


Figure 9.2 BR95–RH temperature and humidity USB sensor.

9.2.1 Temperature and Humidity Sensor Overview

The BR95–RH sensor connects to the BR95 USB port (top). When connected, the BR95 begins logging temperature and humidity readings automatically (refer to Section 9.5, below, for data logging instructions).

The BR95 displays readings superimposed on the camera image by default, as shown in Figure 9.3, below. To display readings in full screen mode, along with MAX and MIN readings, long press M. Long press again to return to the camera image. To reset the MAX and MIN readings (in full-screen mode), long press the CLR button .

To set the unit of measure, alarm limits, and data log sampling rate, refer to Section 8, Settings.

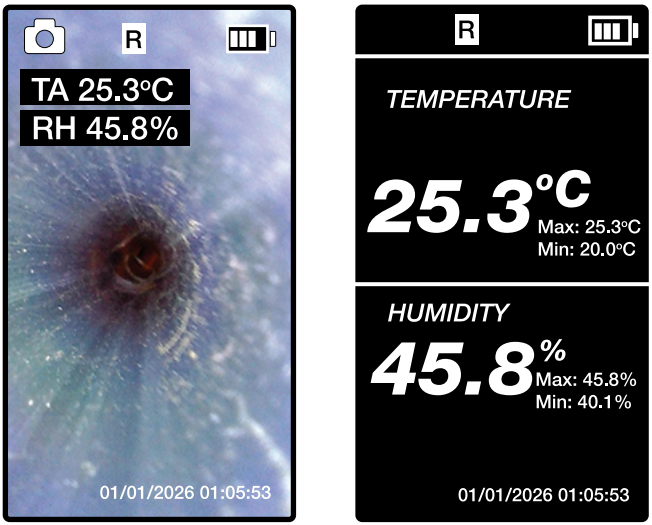


Figure 9.3 Default screen shown on left, full screen mode shown on right. Long press the Mode button (M) to toggle screens.

9.2.2 Temperature and Humidity Alarms

Set the high and low alarm limits in the Settings menu (Section 8). When a temperature alarm is tripped, the red alarm icon will flash next to the temperature reading. When a humidity alarm is tripped, the green alarm icon will flash next to the humidity reading. The arrow in the icon points upward when a high alarm is tripped. The arrow points downward when a low alarm is tripped.

Figure 9.4 High and Low temperature alarm icons (red) and humidity icons (green).

9.3 Carbon Monoxide Sensor (BR95–CO)

Figure 9.5 BR95–CO carbon monoxide USB sensor.

9.3.1 Carbon Monoxide Overview

The BR95–CO sensor connects to the BR95 USB port (top) and monitors carbon monoxide (CO) concentration in ppm units. After a forty–second warm-up period, measurement and data logging functions begin. See Section 9.5, below, for data logger instructions.

CO readings are superimposed on the camera image by default, as shown in Figure 9.5, below. To display readings in full screen mode, long press . Long press again to return to the camera image. Refer to Section 8, Settings, to set the sensor alarms and the data log sampling rate.

In full screen mode, the maximum (MAX) and minimum (MIN) readings are shown, and the color-coded air quality index is appears on the bottom left. The arrow above the index provides a quick way to check air quality. The color-coding is detailed below. To reset the MAX and MIN readings, long press the CLR button .

- Green (safe): 0 to 34 ppm
- Yellow (moderate): 35 to 199 ppm
- Red (warning): 200 to 500 ppm

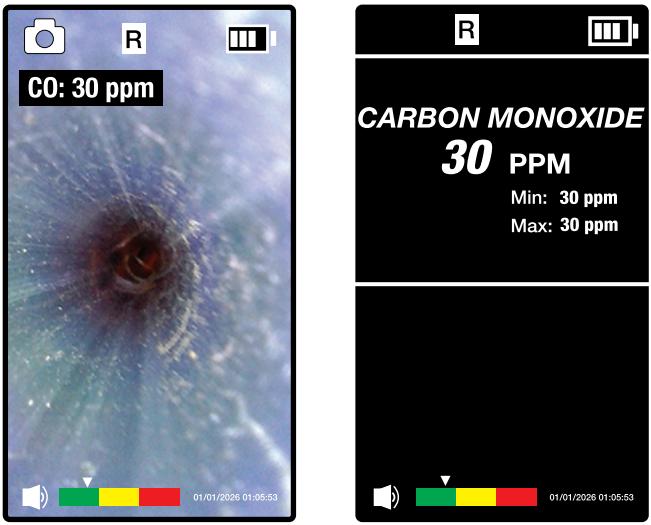


Figure 9.6 Default screen shown on left, full screen mode shown on right. Long press the Mode button (M) to toggle screens.

9.3.2 Carbon Monoxide Alarms

Set the CO Alarm 1 and CO Alarm 2 limits in the Settings menu (Section 8). You can also enable or disable the alarm beeper in the Settings menu. When an alarm is tripped, the beeper will emit tones as follows:

Alarm 1 (set from 5 to 195 ppm, default: 50): Short tone, short tone, then high frequency long tone.

Alarm 2 (set from 40 to 500 ppm, default: 500): High frequency long tone.

9.4 Carbon Dioxide Sensor (BR95–CO2)

Figure 9.7 BR95–CO2 carbon dioxide USB sensor.

9.4.1 Carbon Dioxide Overview

The BR95–CO2 sensor connects to the BR95 USB port (top) and monitors carbon dioxide (CO2) concentration in ppm units. After a seventy–second warm-up period, measurement and data logging functions begin. See Section 9.5, below, for data logger instructions.

CO2 readings are superimposed on the camera image by default, as shown in Figure 9.7, below. To display readings in full screen mode, long press . Long press again to return to the camera image. Refer to Section 8, Settings, to set the alarm limits and the data log sampling rate, and to calibrate the CO2 sensor.

In full screen mode, the maximum (MAX) and minimum (MIN) readings are displayed, and the color-coded air quality index appears on the bottom left. The arrow above the index provides a quick way to check air quality. The color-coding is detailed below. To reset the MAX and MIN readings, long press the CLR button .

- Green (safe): 400 to 799 ppm
- Yellow (moderate): 800 to 999 ppm
- Red (warning): 1000 to 5000 ppm

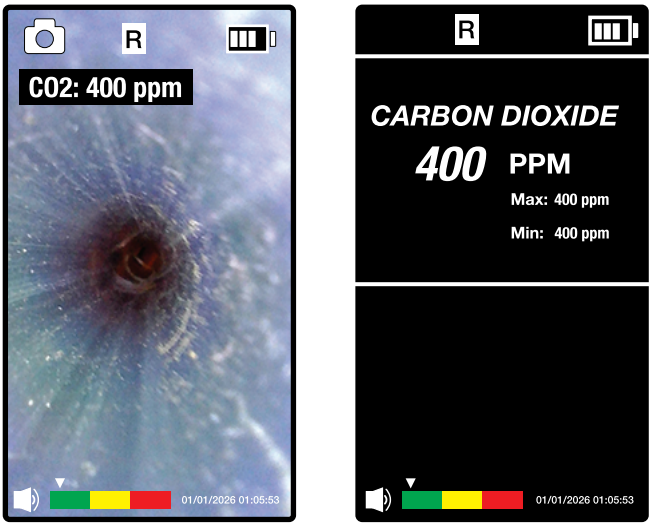


Figure 9.8 Default screen shown on left, full screen mode shown on right. Long press the Mode button (M) to toggle screens.

9.4.2 Carbon Dioxide Alarms

Set the CO2 Alarm 1 and CO2 Alarm 2 limits in the Settings menu (Section 8). You can also enable or disable the alarm beeper in the Settings menu. When an alarm is tripped, the beeper will emit tones as follows:

Alarm 1 (set from 420 to 980 ppm, default: 1000): Short tone, short tone, then high frequency long tone.

Alarm 2 (set from 820 to 5000 ppm, default: 5000): High frequency long tone.

9.4.3 Carbon Dioxide Calibration

Initiate CO2 calibration in the Settings menu (Section 8). When the calibration is initiated, the meter will perform a 400 ppm calibration, and the on-screen twenty–minute timer will start. Keep the meter in open, fresh air during calibration. When calibration is complete, the BR95 will switch OFF.

9.5 Data Logging with Optional USB Sensors

Data logging begins automatically, at the default rate of one reading every 5 seconds, when the sensor is connected to the BR95. There is a warm-up

period for CO (40 seconds) and CO2 (70 seconds) sensors, before logging begins. The **R** icon appears at the top of the monitor while logging is in progress. To manually start/stop logging, long press the Record button 

.

Set the data log sample rate as explained below, and in Section 8, Settings.

1. Long press the Settings button  to open the Settings menu.
2. Use the arrow buttons to scroll to the Sampling Rate option, and press Enter  .
3. Scroll to the desired sampling rate, and press Enter.
4. Short press the Settings button to return to the main menu and then to exit the menu.

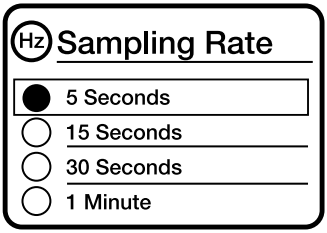


Figure 9.9 Set the rate at which the BR95 will log readings.

Data log text files are stored on the micro SD card, and can be downloaded by connecting the BR95 to a PC with a USB cable. When connected to a PC, the BR95 will display 'USB DISK'.

The BR95 can then be used as a flash drive for file management. The text files (in .csv format) can be opened in spreadsheet programs. The files include measurement data, units of measure, date, time, and alarm events, as shown below.

BR95-RH

DATE	TIME	RH%	TEMP(C)	RH(MAX)	RH(MIN)	T(MAX)	T(MIN)	Sample Time	T_ALARM	RH_ALARM
2026/1/1	0:08:32	51.0	27.5	51.0	48.5	28.6	23.5	5	30.0	75.0
2026/1/1	0:08:37	51.0	28.1	51.0	48.5	28.6	23.5	5	30.0	75.0

BR95-CO2

DATE	TIME	CO2(ppm)	CO2 MAX	CO2 MIN	Sample Time	ALARM
2026/1/1	0:08:32	400	400	400	5	1000
2026/1/1	0:08:37	400	400	400	5	1000

BR95-CO

DATE	TIME	CO(ppm)	CO MAX	CO MIN	Sample Time	ALARM
2026/1/1	0:08:32	0	0	0	5	50
2026/1/1	0:08:37	0	0	0	5	50

Figure 9.10 Examples of data log text files opened in a spreadsheet.

10 Cleaning

Use clean water, with a mild liquid detergent, and a swab to clean the camera and cable after use. Do not use corrosive liquids, such as alcohol to clean the lens.

The main unit can be wiped with a damp cloth when necessary; never use solvents or abrasives.

11 Specifications

11.1 General Specifications

Monitor	LCD 3.5 in. (8.9 cm); 800 x 480 pixels
Digital zoom	1, 2, and 3 x
Media storage	Micro SD card (128 G, max.)
Rechargeable battery	3.7 V, 2600 mAh lithium ion Charge time: ≤ 4 hours
Battery life	3.5 hours (without optional sensors connected)
Auto Power OFF (APO)	OFF, 5, 10, or 20 minutes
Operating conditions	32 to 113°F (0 to 45°C); < 85% RH
Storage conditions	–4 to 140°F (-20 to 60°C); < 85% RH
Battery charging conditions	32 to 95°F (0 to 35°C); < 85% RH Ideal charge temperature: 77°F (25°C); Batteries will not charge > 95°F (35°C) Long-term storage > 86°F (30°C) may reduce battery capacity
Dimensions	5.0 x 3.0 x 1.5 in. (127 x 76.2 x 38.1 mm)
Product weight	11.5 oz. (325 g)

11.2 Camera Specifications

Diameter	0.2 in. (5.5 mm)
Resolution	1280 x 720 pixels
Frame rate	15 to 30 fps
Focal range	1.4 to 2.4 in. (3.5 to 6 cm)
Field of view	68° diagonal, approx.
Cable length	3.3 ft. (1 m)
Cable bend radius	1 in. (25 mm) minimum
IP rating	IP67 waterproof (camera and cable only)
Adjustable lamps	Six (6) adjustable LED

11.3 Optional Sensor BR95–RH Specifications

Temperature sensor type	Resistive
Temperature (air) range	-40 to 185°F (–40 to 85°C)
Temperature maximum resolution	0.1°C/°F
Temperature accuracy	± 1°F (0.5°C) @ 41 to 140°F (5 to 60°C) from 20 to 80% RH
Humidity sensor type	Capacitive
Humidity range	0 to 100 %
Humidity resolution	0.1%
Humidity accuracy	± 3.0 RH @ 41 to 140°F (5 to 60°C) from 20 to 80% RH
Dimensions	1.9 x 0.7 x 0.3 in. (47.8 x 16.8 x 8.5 mm)
Weight	0.2 oz. (4.5 g)

11.4 Optional Sensor BR95–CO Specifications

Carbon monoxide sensor	Electrochemical type
Carbon monoxide range	0 to 500 ppm (total) Good (green): 0 to 34 ppm Moderate (yellow): 35 to 199 ppm Warning (red): 200 to 500 ppm
Carbon monoxide resolution	1 ppm
Carbon monoxide accuracy	10% of reading
Warm-up time	40 seconds
Carbon monoxide alarms	Alarm 1 adjustable range: 5 to 195 ppm (default: 35): Short beep, short beep, then high frequency long beep Alarm 2 adjustable range: 40 to 500 ppm (default: 20): High frequency long beep
Dimensions	2.0 x 1.0 x 0.9 in. (52 x 24.5 x 23.9 mm)
Weight	0.5 oz. (15 g)

11.5 Optional Sensor BR95–CO2 Specifications

Carbon dioxide sensor type	NDIR
Carbon dioxide range	400 to 5000 ppm (total) Good (green): 400 to 799 ppm Moderate (yellow): 800 to 999 ppm Warning (red): 1000 to 5000 ppm
Carbon dioxide resolution	1 ppm
Carbon dioxide accuracy	± (500 ppm + 5% of reading)
Warm-up time	70 seconds
Carbon dioxide alarms	Alarm 1 adjustable range: 420 to 980 ppm (default: 800): Short beep, short beep, then high frequency long beep Alarm 2 adjustable range: 820 to 5000 ppm (default: 1000): High frequency long beep
Carbon dioxide calibration	400 ppm
Dimensions	2.0 x 1.0 x 0.9 in. (52 x 24.5 x 23.9 mm)
Weight	0.5 oz. (15.2 g)

12 Customer Support

Customer Support Local Telephone List:

https://support.flir.com/contact

Returns (RMA):

https://customer.flir.com/Home

13 Warranty

Teledyne FLIR warrants this Extech brand instrument to be free of defects in parts and workmanship for two years from date of shipment. To view the full warranty text, please visit the support site, link below.

https://www.flir.com/support-center/warranty/

EXTECH®

USER MANUAL

Website
http://www.flir.com

Customer support
http://support.flir.com

Disclaimer
Specifications subject to change without further notice. Models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.

Publ. No.: NAS100298
Release: AA
Commit: 111310
Head: 111310
Language: en-US
Modified: 2026-04-08
Formatted: 2026-04-08

22
PAP