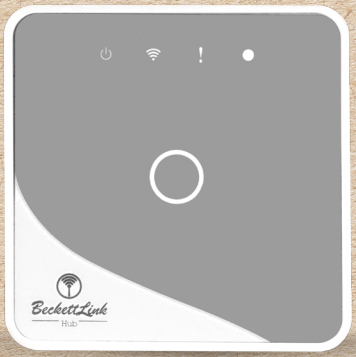
Beckett

7651 BECKETTLINK® TANK GAUGE

INSTALLATION AND INSTRUCTION MANUAL

Description: The 7651 BeckettLink® Tank Gauge is a wireless electronic tank gauge designed for use with the 7650 BeckettLink® Hub. The gauge communicates with the hub using Bluetooth® technology. The hub connects to the cloud using an existing WiFi network. Information on tank level and gauge status is stored in the cloud. This information can be accessed using the myTechnician™ App or the BeckettLink® Dealer Dashboard. Both the tank gauge and hub are required for the system to operate. The gauge can be used with combustible liquids, such as No.2 fuel oil and kerosene. Not for use with flammable liquids such as gasoline.





7651A0001K
BeckettLink® Tank Gauge Kit

Includes 7651A BeckettLink® Tank Gauge and 7650A BeckettLink® Hub. Connects to WiFi/Bluetooth® Internet Hub for Use with Other BeckettLink® Devices

Bluetooth®

Featuers & Benefits:

- The BeckettLink® Tank Gauge uses an ultrasonic sensor to accurately and reliably measure liquid levels in standard storage tanks.
- Fuel delivery companies can monitor tank levels through the BeckettLink® Dealer Dashboard and will receive alerts when tanks reach a selectable low tank level.
- The information stored in the cloud and accessed through the dealer dashboard allows dealers to schedule deliveries based on actual usage and protects customers against running out of fuel.
- The BeckettLink® System provides an option for allowing homeowners to monitor tank levels and receive alerts through the myTechnician™ App.
- The adapter included with the tank gauge allows mounting on 2" MPT openings or "Euro" style tanks.

Beckett®

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Hazard Definitions

⚠ DANGER

Indicates a hazardous situation that, if not avoided, **will** result in **death or serious injury**.

⚠ WARNING

Indicates a hazardous situation that, if not avoided, **could** result in **death or serious injury**.

⚠ CAUTION

Indicates a hazardous situation that, if not avoided, **could** result in **minor or moderate injury**.

NOTICE

Used to address practices not related to physical injury.

SAFETY INSTRUCTIONS

Safety instructions signs indicate specific safety-related instructions or procedures.

General Information

7651 BeckettLink® Tank Gauge

19474-001 - Enclosure (cover) Gasket

19475-001 - Adapter Gasket

19475-002 - Euro Tank Adapter Gasket

22646-001 - CR123A 3.0 V Lithium Battery

Cover Screws - 5/8" #8-32 Stainless

7650 BeckettLink Hub and power supply (included in 7651A0001K BeckettLink® Tank Gauge Kit)

Accessories Sold Separately:

17022 - 2" MPT and "Euro" Metal Adapter

17024 - 1-1/2" MPT Tank Adapter

17026 - 1-1/4" MPT Tank Adapter

Thank you for purchasing this Beckett product for use with your comfort system. Please pay attention to the Safety Warnings contained within this instruction manual. Keep this manual for your records and provide it to your qualified service agency for use in professionally setting up and maintaining your system.

If at any time the product does not appear to be operating properly, immediately contact your qualified service agency for consultation.

⚠ WARNING

READ AND FOLLOW ALL WARNINGS AND NOTICES IN THIS MANUAL AND ON SHEETS ENCLOSED WITH THE PRODUCT WHEN INSTALLING THE BECKETTLINK® TANK GAUGE. FAILURE TO FOLLOW COULD CAUSE FIRE, EXPLOSION OR PROPERTY DAMAGE. INACCURATE TANK READINGS CAN LEAD TO FUEL RUN OUT, FROZEN PIPES OR WATER DAMAGE.

⚠ WARNING

DO NOT USE THIS PRODUCT WITH FLAMMABLE LIQUIDS SUCH AS GASOLINE OR LIQUID PROPANE. DO NOT USE THIS PRODUCT ON PRESSURIZED STORAGE TANKS. SUCH USE COULD RESULT IN SEVERE PERSONAL INJURY, DEATH OR SUBSTANTIAL PROPERTY DAMAGE FROM FIRE OR EXPLOSION.

This tank gauge is intended for use with combustible (but not flammable) liquids such as No. 2 fuel oil or kerosene.

⚠ WARNING

DO NOT CHARGE, SHORT, DISASSEMBLE, DEFORM OR HEAT BATTERIES. DO NOT EXPOSE BATTERIES TO FIRE. DO NOT STORE OR CARRY BATTERIES WITH OTHER METAL OBJECTS. DO NOT REVERSE "+" AND "-" TERMINALS WHEN INSTALLING BATTERY. MISUSE COULD RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE FROM FIRE OR RUPTURE OF BATTERY CASE.

Dispose of batteries properly. Insulate "+" and "-" terminals with insulating tape to prevent shorting.

Keep batteries out of the reach of small children. Consult physician immediately if swallowed.

⚠ CAUTION

Inaccurate fuel level indications could result in fuel run-out, burner lockout, loss of heat, frozen pipes and water damage. For protection, take preventative actions such as having a security system installed that operates during power outages, senses low temperature and initiates an effective action.

- The fuel monitoring system should be installed by a qualified service agency.
- For accurate fuel readings, the fuel tank must be installed per the tank manufacturer's installation instructions and NFPA31 standards.
- Tank size must be correctly configured in the myTechnician™ App and/or Dealer Dashboard software for accurate readings.

NOTICE

Gauges must be assembled, installed, used, inspected and maintained in accordance with the manufacturer's instructions. Failure to follow instructions could result in damage or malfunction

NOTICE

Follow applicable codes, such as: For United States; the Standard for the Installation of Oil Burning Equipment, ANSI/NFPA31, or other National, State or Local Codes; and/or For Canada; CSA B139, Installation Code for Oil Burning Equipment, or other National, Provincial or Local Codes.

NOTICE

If the exact fuel tank size or shape is not listed in the myTechnician™ App, the fuel reading may not be accurate. For some types of tanks, the inside dimensions can be significantly different from the outer dimensions. Always check the calculated capacity of the tank shown in the app against the tank capacity listed on the tank and adjust as needed.

The BeckettLink® Tank Gauge will not provide accurate readings on any tank design with obstructions or internal construction that blocks the view of the ultrasonic sensor.

NOTICE

DO NOT remove the 7651 BeckettLink® Tank Gauge in order to fill the tank. Repeated removal and re-installation will damage the seals and fasteners.

Additional information on BeckettLink® Products is available at:

beckettcorp.com

Las instrucciones en espanol estan disponibles en nuesto sitio web.

Les instructions en français sont disponibles sur notre site Web

NOTICE

When mounting the tank gauge on a multi-tank system, mount the gauge on the last tank in the system (farthest from fill point).

NOTICE

Tank gauge must be installed upright and level on the top of the tank with an unobstructed view of the fuel level. Do not use an extension pipe when mounting the adapter. Operate only with tank gauge cover installed. Keep tank gauge circuit board dry during installation to prevent damage to electronics. Failure to follow could result in inaccurate or erratic fuel level measurements and fuel run out.

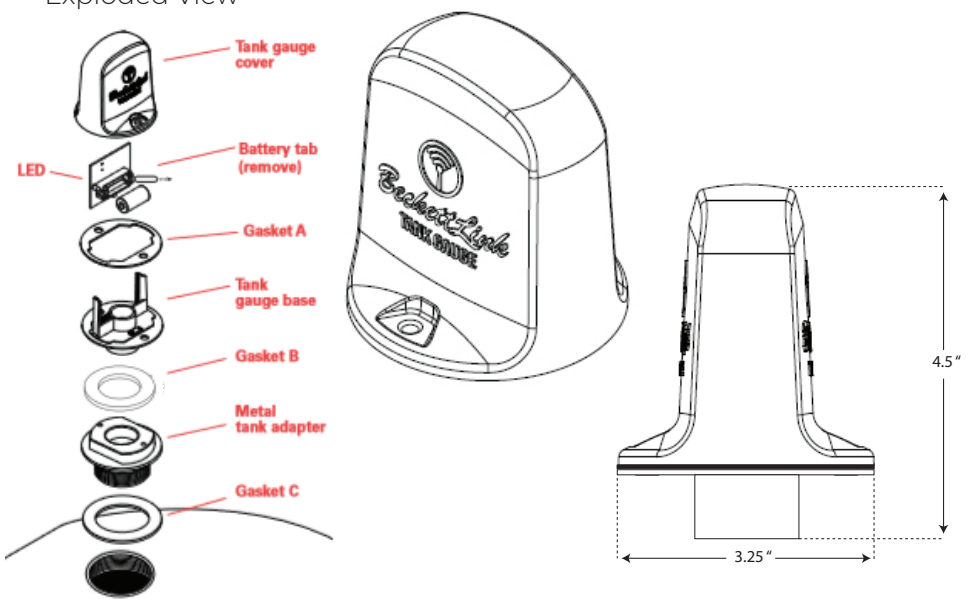
Technical Specifications

Table 1 - Specifications

Acceptable Ambient Temperature Range	-20°F to +150°F (-28.9°C to +65.6°C)
Acceptable Ambient Humidity	5% - 95% RH , condensing
For use with	No 2 Fuel Oil, Kerosene, Diesel Fuel, Motor Oils, Biodiesel and Biodiesel blends
Input Voltage	3.0 Vdc from CR 123A Lithium Battery
Maximum Pressure Rating	5 PSI
Battery Life Measurement	Above 50% battery capacity +/- 20% Below 50% battery capacity +/- 10%
Effective Measurement Range	6" to 72" from top of tank (15.24 cm to 182.88 cm)
Dimensions	Approx. 4.5" H x 3.25" W at base (11.4 cm x 8.25 cm)
Application Location	Suitable for Indoor or Outdoor applications
Mounting Orientation	Upright on top of fuel tank
Effective Range of Operation	250' open air (76.2m) 150' with obstructions (45.7m)
Bluetooth 5.0 LE protocol	1 Mbps data rate, extended advertising
Complies with	FCC Part 15 and Industry Canada requirements

Product Dimensions

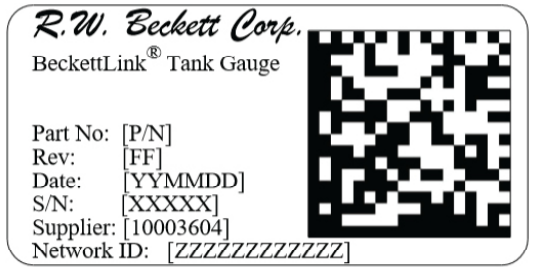
Exploded View



Product Label

Product Labels are located on the tank gauge circuit board and affixed to the Quick Start Guide shipped with the gauge

Network ID# can be entered manually into myTechnician™ App or the QR Code can be scanned as part of the setup process in the myTechnician™ App



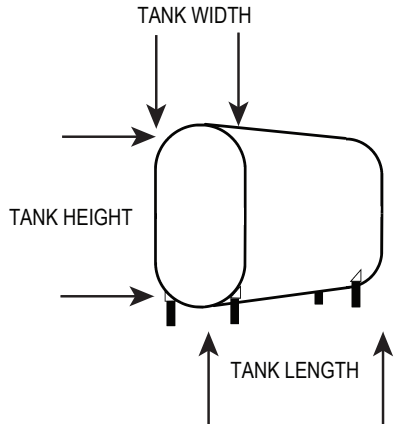
LED Guide & Installation

1 Note the style, type and capacity of the oil tank or measure Tank Height, Length and Width as shown in ***Figure 2.*** Record the dimensions or size and style of the tank and provide them to the person setting up the BeckettLink ®Tank Gauge in the myTechnician™ App. This information will be needed when setting up the tank gauge in the myTechnician™ App. Always check the capacity listed on the tank against the capacity calculated in the myTechnician™ app and adjust as needed.

2 Before installing tank adapter, make sure there are no obstructions inside the tank blocking the view of the ultrasonic sensor.

For tanks with 1-1/2" and 1-1/4" NPT openings, adapters are required for proper installation. Use RWB part numbers 17024 for 1-1/2" and 17026 for 1-1/4" applications. (sold separately)

1 Figure 2 - Tank



2



Installation

3. **Standard Steel Tank Installation -** The Tank gauge must be installed upright and level on the top of the tank with an unobstructed view of the fuel level. Do not use an extension pipe when mounting the adapter. Apply pipe sealant to the adapter treads and install the supplied metal adapter into an unused 2" NPT opening in the top of the tank. The Euro tank adapter gasket **(gasket C)** is not needed for steel tank installations. Tighten securely with wrench.

4. **Euro-style Tank Installation -** The metal adapter supplied with the BeckettLink® Tank Gauge can be used for a European style double-wall tank as well as using it on a 2" NPT steel tank opening. For European style tanks, make sure the Euro tank adapter gasket **(gasket C)** is in place above the threads of the metal tank adapter. Install the locking ring and tighten per tank manufacturer's instructions before installing tank gauge.

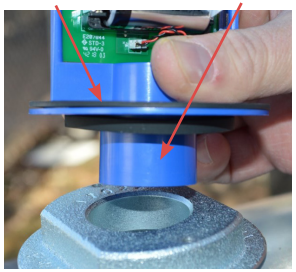
5 **All Tanks -** Carefully remove the tank gauge base and cover from the box. Remove the cover from the tank gauge base. Leave the **desiccant packet** in place in the tank gauge cover.



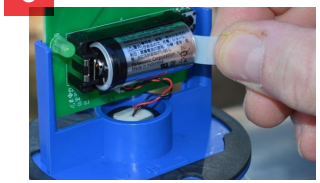


5 Desiccant Pack





6



6 Insert the tank gauge base into the metal adapter. Be sure that both the tank adapter gasket **(gasket B)** and the cover gasket **(gasket A)** are in place.

7. With the tank gauge in place, remove the plastic tab from the battery holder. Be sure the battery is firmly installed in battery holder. The LED next to the battery holder should begin flashing once every 16 seconds. This indicates that the gauge is not yet connected (paired) with a hub. The gauge will stay in discovery mode for 48 hours after battery tab removal

8. Make sure **gasket A** and **gasket B** are in place before securing the cover in place.

9 Line up the screw holes in the tank gauge with the screw holes in the metal tank adapter and assemble the tank gauge onto the metal tank adapter using a 1/4" nut driver and the two screws provided.

9



Installation

Once the tank gauge is installed, the BeckettLink® Hub must be powered and set up indoors within the range of a WiFi system. The BeckettLink® Hub must be located within 150 feet of the tank gauge and can be moved to balance WiFi and Bluetooth® signal strength. Follow the directions included with the BeckettLink® Hub to install and start up the hub. The hub must be operating and connected to the WiFi network before the tank gauge can be added to the system.

Completeing Installation

To complete the installation of the BeckettLink® Hub and the BeckettLink® Tank Gauge, the installer will need to download the myTechnician™ App to a phone or tablet. The app can be downloaded from the App Store or Google Play Store. Through the myTechnician™ App, the installer will be able to set up an account, set up an account password, connect the hub to the WiFi system, pair the tank gauge to the hub and configure the tank shape and size using the tank dimensions recorded earlier. Entering the correct tank shape and volume information is critical for accurate tank level readings.

Connecting Hub and Gauge

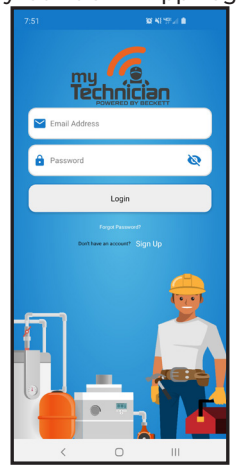
1 The BeckettLink® Hub must be set up and connected to the WiFi network before the tank gauge can be added to the system. Complete instructions for setting up an account and connecting the hub can be found in the BeckettLink® Hub Manual - # 62203. Open the myTechnician™ App. Log in and follow the directions in the app for adding the hub and connecting to an existing WiFi network. You will need to know the name of the WiFi network you want to use as well as the password for that network. The BeckettLink® Hub will only connect to WiFi networks operating at 2.4 GHz.

2 After the BeckettLink® Hub has been set up and connected to the WiFi network, open the myTechnician™ App to add the tank gauge to the system. Log into the app if not already logged in. The hub must be powered and the WiFi connected.

3 From the myTechnician™ dashboard page, tap the "System" button. Follow the directions in the myTechnician™ app to complete the tank gauge setup.

1

myTechician™ App Login



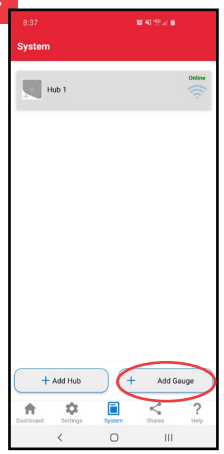


BeckettLink® Hub

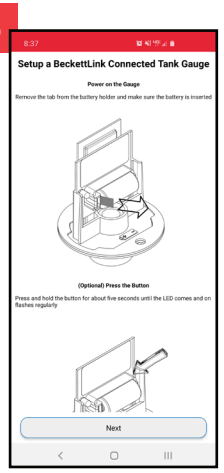
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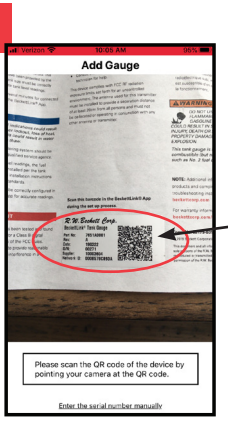
Connecting Tank Gauge



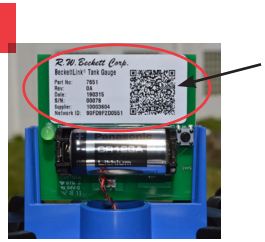
4 On the “System “ page, tap “Add Gauge”.



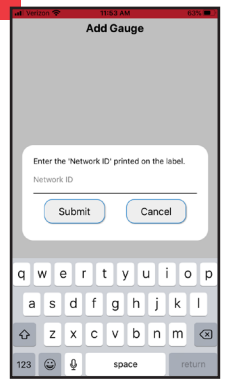
5 Be sure the plastic tab has been removed from the battery holder and that the battery is seated firmly in the holder. The green LED next to the battery holder should flash once every 16 seconds in discovery mode. Optional: press and hold button next to the battery folder for 5 seconds until the LED comes on and flashes regularly. If the LED comes on solid and stays on, the gauge is already paired and must be unpaired before starting the process. (See Un-pairing)



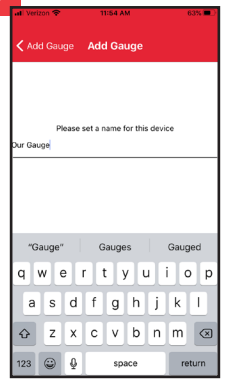
6 Tap “Next.” Use the phone or tablet to scan the QR code label located on the Quick Start Guide. The QR code is also located on the circuit board of the gauge. You will need to remove the gauge cover to view the QR code on the gauge.



7 If the scan is not successful, tap “Enter the Serial Number Manually” and type in the network ID shown on the label and tap “Submit”.

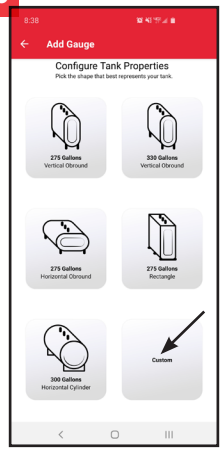


8 Type in the name for the tank gauge and hit “Done” when finished



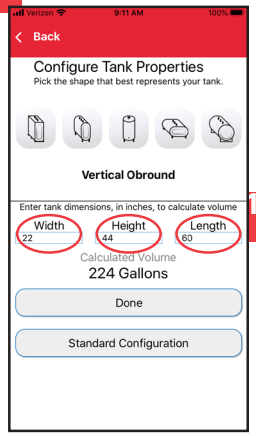
9 The tank configuration screen will appear.

Connecting Tank Gauge Continued

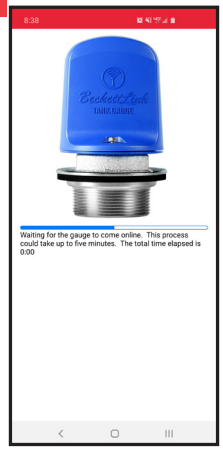


10 If the tank matches exactly one of the 5 common tanks shown in the app, tap the picture in the app that matches your tank. If using one of the standard configurations move to Step 13.

11 If the tank does not match exactly one of the tanks shown, tap ‘Custom”. You will need to manually choose the shape of the tank and enter the height, width and length as measured in Step 1 of “Installation” ***(See Figure 2)***.



12 Check the calculated capacity against the capacity listed on the tank label for accuracy. Tank size must be correctly entered for accurate tank level readings. Tap “Done” when finished.



13 Hub and Tank Gauge will start the connection process. This could take several minutes. Be sure the hub is online (Yellow WiFi LED on solid) and that the gauge is in discovery mode (Gauge LED flashing every 16 seconds)



14 Finalizing tank gauge setup.



15 Gauge is successfully added.

If connection time (5 minutes) expires, tap “Retry”. If second attempt fails, follow instructions under “Troubleshooting”.

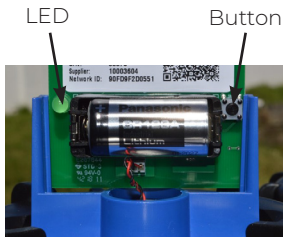
The myTechnician app will return to the “System” page when the gauge is added and both the hub and tank gauge should be listed. To add additional gauges, tap “Add Gauge”.



Verifying Gauge Connection

When the gauge first connects to the hub, updates will be sent to the hub every 16 seconds for the first 5 minutes. If an immediate update is desired, remove the tank gauge cover and push the small button located to the right of the battery holder.

The green LED to the left of the battery holder will flash twice with about 4 seconds between flashes. This indicates that the gauge has sent a transmission to the BeckettLink® Hub. The tank level information should be updated in the user app within one minute of pressing the button. Replace cover and tighten screws.

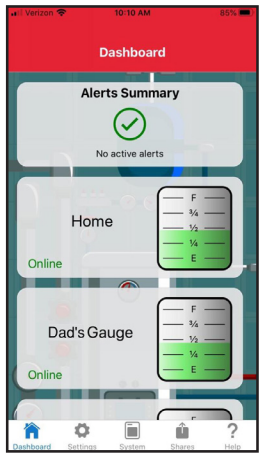


Check gauge signal strength and time of last received tank gauge message on tank gauge detail page in myTechnician™ App.

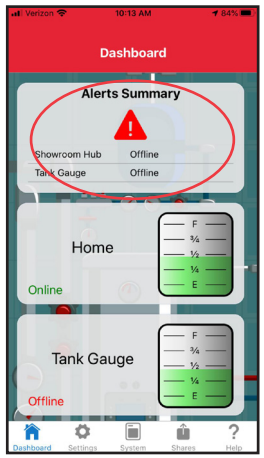
Using myTechnician™

Dashboard

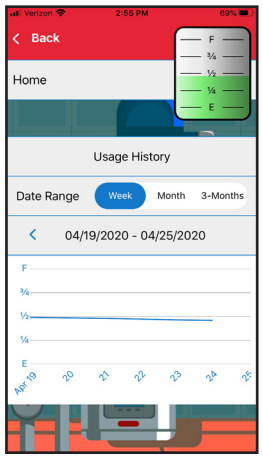
The Dashboard provides a quick status overview of the devices on your account or devices shared with you.



Any system alerts will be displayed at the top of the Dashboard page.

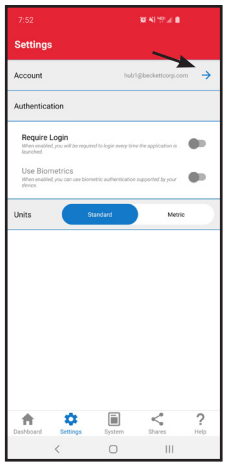


Tap the devices shown to see more detailed information. For example, tap the gauge display to view tank levels by week, month or for the last three months.

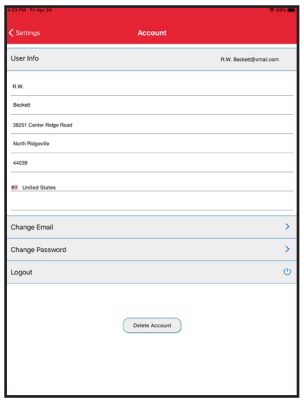


Settings

Use Settings to access account information, activate login requirements and enable the use of fingerprint or other biometrics authentication. Select standard US or Metric units.



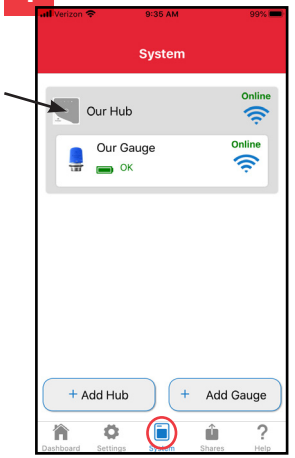
To update Account Information, Tap “Account”. From the “Account” page you can Change Email Address, Change Password, Logout or Delete Account by tapping the matching button.



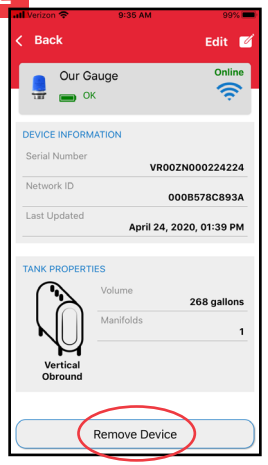
Using myTechnician™

System

1



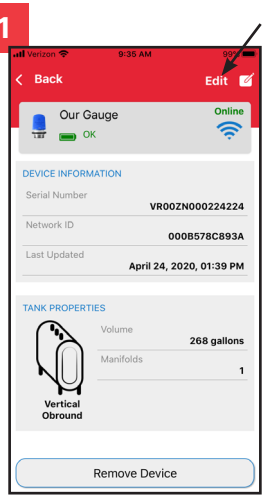
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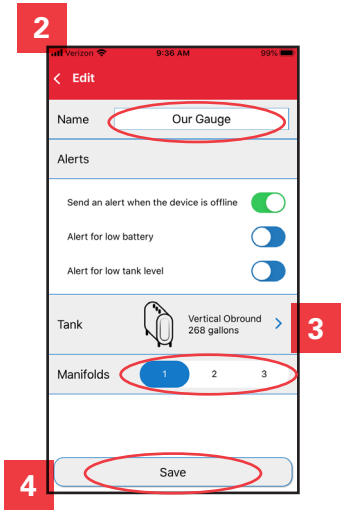
Use System to access additional information about the devices in your system. The system page shows basic information on the devices in your system such as Online/Offline Status, Signal Strength, Battery Status (gauge) and devices shared with you by others Tap the matching card to see details on a specific device.

1. To view gauge details, tap the gauge card to see Serial Number, Network ID, Last Updated and the current tank size and shape. To add additional gauges tap “Add Gauge.”
2. To change or replace a gauge, tap the “Remove Gauge” button to disconnect the current gauge. Then use the “Add Gauge” button on the System page to add the new gauge.

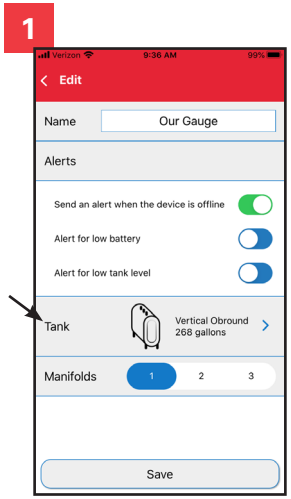
Change or Edit Gauge Settings



1. To make changes to the gauge settings from the Gauge Detail page tap "Edit"
2. To change or edit the tank gauge name tap the name box and use the keyboard to make changes.
3. Select the number of oil tanks connected together by tapping "1,2,or 3".
4. Be sure to tap "Save" after making any changes.

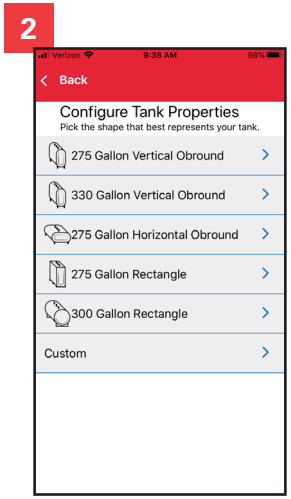


Change or Recalculate Tank Size



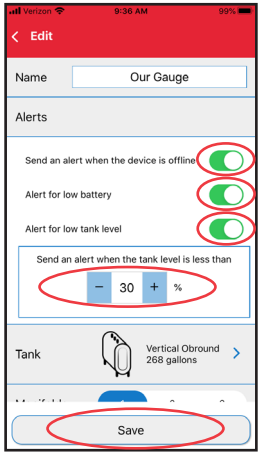
If you replace your tank with a tank of a different size or shape or if you need to correct the tank capacity, you will need to update your tank information.

1. From the Gauge Setup page, tap the tank bar.
2. Choose one of the standard tank sizes or choose "Custom" if your tank does not exactly match one of the standard tanks.



Using myTechnician™

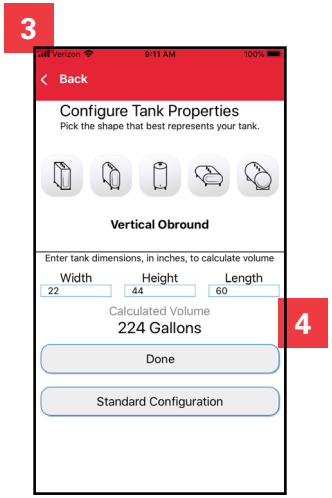
Setting Alerts



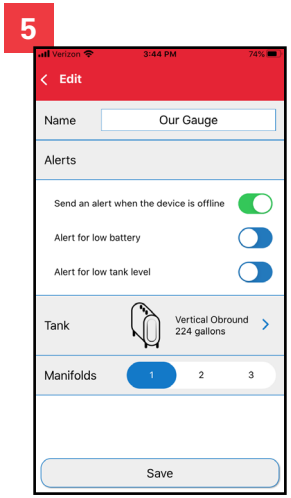
1. Use the sliders to turn the tank alerts on or off.
   - Offline
   - Low Battery
   - Low Tank Level
2. Use "+" or "-" to adjust low tank alert between 15% and 50%.
3. Be sure to tap "Save" after making any changes.

Using myTechnician™

Change or Recalculate Tank Size



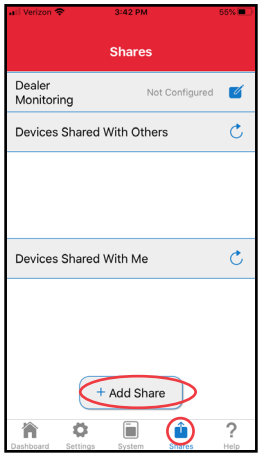
3. If using "Custom", be sure to select the tank shape before filling in the dimensions.
4. Tap "Done" when finished with the Custom screen.
5. Tap "Save"to retain the changes.



Shares

Use the Shares page to share system information with family, friends or servicing dealers. Tap the Shares icon at the bottom of the app. To share information with family or friends, they must first download the myTechnician™ app and set up an account. Their email address will be needed to set up the share. The share will not be accepted unless the email address is for a valid account. Tap "+ Add Share" to start the process.

To share information with a servicing dealer, tap "Dealer Monitoring" and select your dealer from the list of dealers in your zip or mail code.



Battery Replacement

The lithium battery used in the BeckettLink® Tank Gauge has a service life of approximately 10 years. If a battery replacement is required, use a 3- volt CR123A lithium battery. Beckett recommends using Panasonic® CR123A batteries for proper performance. Dispose of old battery properly.

A battery level display is included in the myTechnician™ App. A warning will be provided through the myTechnician™ App or the BeckettLink® Dealer Dashboard when the battery reaches 30% of life. Replace battery promptly when battery alert is received. Gauge may not operate properly with a battery level below 30%.

To Replace Battery:

1. Remove the tank gauge cover by removing the two screws.
2. Remove battery from battery holder (See *Figure 4*).
3. Replace battery with fresh CR123A battery. Polarity guide is molded into the tank gauge base under the battery holder.
4. Replace the cover and tighten the screws, making sure all gaskets are properly placed and seated.

Operation

The BeckettLink® Tank Gauge uses ultrasonic radio waves to accurately measure the liquid level in the tank. The level information is transmitted wirelessly to the BeckettLink® Hub for transmission to cloud storage, using the WiFi internet connection. Level updates are transmitted from the tank gauge 5-6 times per day.

Un-pairing Tank

If a hub is being changed out or if the gauge has been paired to another hub, you will need to "un-pair" the gauge before attempting to pair it with a new or different hub.

Un-pair the tank gauge using the button next to the battery (under the cover of the tank gauge). Hold the button down for 5 seconds, release when green LED turns solid, then hold the button down for another five seconds. Green LED on gauge will flash rapidly if un-pairing is successful.

Troubleshooting

If the gauge does not connect to the hub after multiple attempts, take the following actions:

1. Make sure the hub is connected to the internet. The yellow WiFi LED on the hub should be on (not flashing). If WiFi LED is flashing, hub is not completely connected to WiFi. See the hub instructions to "Change WiFi Settings".
2. Make sure the battery tab has been removed. Remove the gauge battery and reinsert it.
3. Hold the button to the right of the battery holder for 5 seconds. If the LED comes on solid and stays on, the gauge is already paired and must be unpaired before restarting the process. (See Un-pairing)
4. If the LED flashes, proceed with trying again after reviewing other suggestions below.
5. Move the hub closer to the gauge or temporarily move the tank gauge closer to the hub during the registration process. Reinstall the tank gauge once registration is complete. Moving the tank gauge may cause an inaccurate tank level reading until the reading is updated.
6. Check Frequently Asked Questions at beckettcorp.com - Products - Internet Connected Products.

IC Statement

English

This device complies with Industry Canada's Licence-Exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Français

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED Statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).

FCC Statement

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.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Limited Warranty Information

The R. W. BECKETT CORPORATION ("Beckett") warrants to persons who purchase its "Products" from Beckett for resale, or for incorporation into a product for resale ("Customers"), that its equipment is free from defects in material and workmanship. To qualify for warranty benefits, products must be installed by a qualified service agency in full compliance with all codes and authorities having jurisdiction, and used within the tolerances of Beckett's defined product specifications.

To review the complete warranty policy and duration of coverage for a specific product, or obtain a written copy of warranty form 61545, please choose one of the following options:

1. ***Visit our website at: www.beckettcorp.com/warranty***
2. ***Email your request to: rwb-customer-service@beckettcorp.com***
3. ***Write to: R. W. Beckett Corporation, P. O. Box 1289, Elyria, OH 44036***

NOTE: Beckett is not responsible for any labor cost for removal and replacement of equipment.

THIS WARRANTY IS LIMITED TO THE PRECISE TERMS SET FORTH ABOVE, AND PROVIDES EXCLUSIVE REMEDIES EXPRESSLY IN LIEU OF ALL OTHER REMEDIES, AND IN PARTICULAR THERE SHALL BE EXCLUDED THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL BECKETT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE OF ANY NATURE. Beckett neither assumes, nor authorizes any person to assume for Beckett, any other liability or obligation in connection with the sale of this equipment. Beckett's liability and Customer's exclusive remedy is limited to the cost of the product.

Before Calling Beckett . . .

Before contacting us about your hub, please review the installation instructions. Additional information, videos and Frequently Asked Questions can be found on our website at www.beckettcorp.com.

Beckett CORPORATION

USA: **R.W. Beckett Corporation,** 1-833-473-2004
Canada: **R.W. Beckett Canada Ltd.**, 1-800-665-6972

www.beckettcorp.com

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Form No. 62203 R0, Printed in the USA 10/19

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7650 BeckettLink Hub, Form No. 62203 Rev 0

FCC Statement

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

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.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the two following conditions:

1. This device may not cause harmful interference, and

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

IC Statement

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Français

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ISED Statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).

Troubleshooting

Visit www.beckettcorp.com for additional Information, videos and Frequently Asked Questions

Issues	Suggestions
No LEDs on	Check power at the outlet and make sure power cable is connected to hub.
Can't connect hub to WiFi Hub registration keeps failing	Keep the phone close to the hub during the registration process. Move hub closer to WiFi router. Make sure the WiFi is enabled on the phone or tablet. Check yellow WiFi LED on hub, if flashing, use paperclip to push reset once. Make sure you are connecting to a 2.4 GHz WiFi network. The network name may contain a reference to 2.4 GHz. If the WiFi network has anti-spoofing protocols enabled, whitelist SSiDs that start with "AC000W. Make sure these network ports are open or whitelisted on your router: 80,443,53,55055,55056. WiFi LED will be on solid when hub is registered. Only iOS version 11.0 or later is supported by the BeckettLink® Hub Only Android version 5.0 or later is supported by the BeckettLink® Hub
No available WiFi networks	Make sure WiFi is enabled on the phone. Makes sure phone is not in "airplane" mode.
Yellow WiFi LED flashing	Hub is connected to internet, but hub is not registered in cloud application. Use paperclip to push reset button once, continue WiFi setup process.
Not receiving any updates from BeckettLink® devices	Use myTechnician™ App to check WiFi signal strength on hub detail page. Move hub closer to router if signal is 1 or 2 bars. Check Bluetooth® signal strength on device detail page in myTechnician App. Move hub closer to device (gauge) if signal is 1 or 2 bars.
QR Scan doesn't work	Enter Network ID manually. ID is on label on bottom of hub.
I keep receiving hub connection lost alerts. WiFi signal continues to drop out	Move hub closer to WiFi router. Consider using an ethernet cable to connect the hub to the router. Hub must be registered to cloud before using ethernet cable.
Power and Bluetooth® LEDs are on, but WiFi LED is off.	Check WiFi router to make sure it is powered and broadcasting a signal. Remove then restore power to hub. Allow hub to reboot. WiFi LED will not be powered if using ethernet cable connection
Hub is offline	Check WiFi router to make sure it is powered and broadcasting a signal. Remove then restore power to hub. Allow hub to reboot. Check app for signal, if still no signal, from hub detail page, touch edit. From Edit Hub Settings, touch Change WiFi settings and follow instructions.
Installed tank gauge or other device but have not received update or reading	Try moving the device closer to the hub temporarily and check signal s trength. With the tank gauge, it may be necessary to push the button next to the battery holder in the tank gauge once to generate an update. With some devices, like the tank gauge, it could take up to 4.5 hours for the hub and app to receive an update.

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Before Calling Beckett . . .

Before contacting us about your hub, please review the installation instructions. Additional information, videos and Frequently Asked Questions can be found on our website at www.beckettcorp.com.

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www.beckettcorp.com

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