BTEK 912-5671

B-Tek AquaShield Max Washdown Bench Scale User Manual

MODEL: 912-5671

1. Introduction

Thank you for choosing the B-Tek AquaShield Max Washdown Bench Scale. This manual provides essential information for the proper setup, operation, and maintenance of your scale. Designed for demanding environments, the AquaShield Max offers reliable and accurate weighing with superior washdown capabilities, making it ideal for food, chemical, and industrial applications.

The scale features a robust 304 SAE stainless steel construction, an IP69K hermetically sealed load cell, FDA compliant feet, and a quick-drain design to resist water and rust. It includes a 19-inch tall 304 stainless steel column and a T403 indicator, which provides a backlit 7-digit LCD display and a comprehensive keypad for various functions.

2. Safety Information

Always observe the following safety precautions to prevent injury and ensure the longevity of your equipment:

- **Electrical Safety:** Ensure the power supply matches the scale's requirements. Do not operate with damaged power cords.
- **Placement:** Place the scale on a stable, level surface away from excessive vibrations, drafts, or extreme temperature fluctuations.
- **Overload Protection:** Do not exceed the maximum weighing capacity of the scale (5 lb). Overloading can damage the load cell.
- **Cleaning:** Follow the cleaning instructions carefully. Do not use abrasive cleaners or solvents that could damage the stainless steel or electronic components.
- **Maintenance:** Only qualified personnel should perform internal maintenance or repairs.

3. Components and Features

The B-Tek AquaShield Max Bench Scale consists of the following main components:

- **Weighing Platform:** 10" x 10" 304 stainless steel platform.

- **Column:** 19" tall 304 stainless steel column for indicator mounting.
- **T403 Indicator:** Digital display unit with control keys.
- **Load Cell:** IP69K hermetically sealed for maximum protection.
- **Adjustable Feet:** FDA compliant feet for leveling and stability.

Figure 1: B-Tek AquaShield Max Washdown Bench Scale. This image shows the complete assembly of the scale, including the stainless steel platform, column, and the T403S digital indicator mounted at the top.

T403 Indicator Features:

- **Display:** Backlit 7-digit LCD display with 0.8" digits for clear readability.
- **Keypad:** 24 operational keys including:

  - Zero, Print, Units, Tare, Select, F1
  - Sample, Target, ID, Start, Stop
  - Full Numeric Keypad, Clear, Setup

- ○ **Certifications:** NTEP certified and Approved for Canada.

4. Setup

4.1 Unpacking

Carefully remove all components from the packaging. Inspect for any visible damage that may have occurred during transit. Retain packaging materials for future transport or storage.

4.2 Assembly

1. Attach the 19" stainless steel column to the base of the scale. Ensure it is securely fastened.
2. Mount the T403 indicator to the top of the column. Connect the load cell cable from the platform to the indicator's designated port.
3. Place the stainless steel weighing platter onto the scale base.

4.3 Placement and Leveling

Position the scale on a firm, level, and stable surface. Use the adjustable FDA compliant feet to level the scale. Check the level indicator (if present on the indicator or base) to ensure proper leveling for accurate measurements. Avoid locations with direct sunlight, strong air currents, or significant temperature changes.
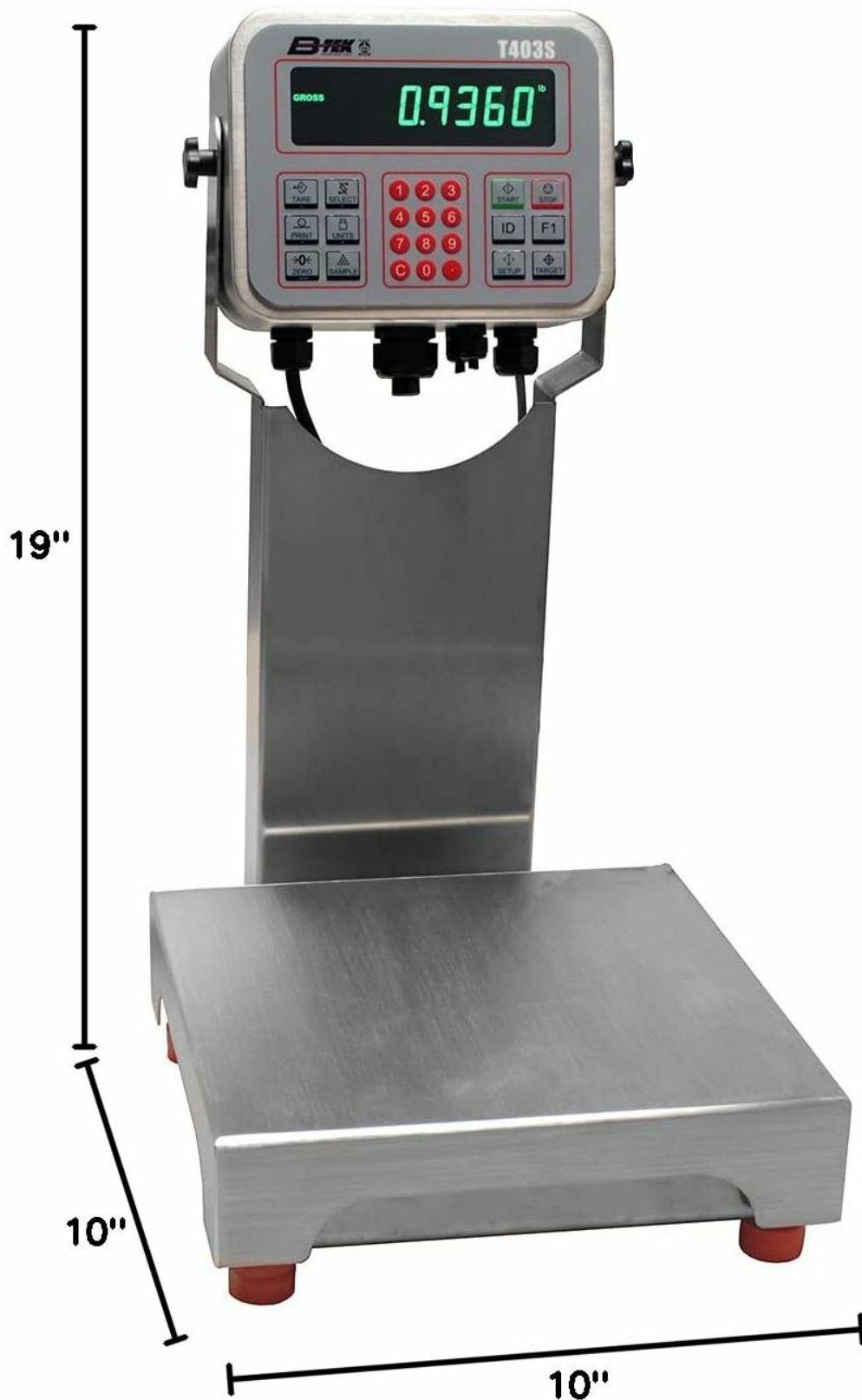
Figure 2: B-Tek AquaShield Max Bench Scale with dimensions. This image illustrates the physical dimensions of the scale, including the 19-inch column height and the 10x10 inch platform size.

4.4 Power Connection

Connect the power adapter to the T403 indicator and then plug it into a suitable electrical outlet. The indicator will perform a self-test upon power-up.

5. Operating Instructions

5.1 Basic Weighing

1. **Power On:** Press the **ON/OFF** key to turn on the indicator.
2. **Zeroing:** If the display does not show zero with nothing on the platform, press the **ZERO** key.
3. **Weighing:** Place the item to be weighed on the center of the platform. The display will show the weight.

5.2 Tare Function

The Tare function allows you to subtract the weight of a container, so only the net weight of the contents is displayed.

1. Place the empty container on the platform.
2. Press the **TARE** key. The display will return to zero, and a "NET" or "TARE" indicator may appear.
3. Add the material to be weighed into the container. The display will show only the weight of the material.
4. Remove the container to clear the tare.

5.3 Unit Conversion

To switch between weighing units (lb, kg):

- Press the **UNITS** key to cycle through available units.

5.4 Other Functions (T403 Indicator)

- **PRINT:** Sends the current weight data to a connected printer or system.
- **SELECT:** Used for menu navigation or selection in setup modes.
- **F1:** Programmable function key, consult advanced manual for configuration.
- **SAMPLE, TARGET, ID:** Used for specific application modes (e.g., piece counting, target weighing, identification entry). Refer to the T403 indicator's detailed manual for these advanced features.
- **START/STOP:** Used in certain application modes to initiate or terminate processes.
- **Numeric Keypad:** For entering numerical values (e.g., target weights, IDs).
- **CLEAR:** Clears entered values or error messages.
- **SETUP:** Accesses the setup menu for configuration. Access to this menu may require a password and should only be performed by trained personnel.

6. Maintenance and Cleaning

The B-Tek AquaShield Max is designed for easy cleaning and maintenance, especially in washdown environments.

6.1 Cleaning Procedures

- **Daily Cleaning:** For general cleaning, use a soft cloth dampened with water and a mild, non-abrasive detergent. Wipe down all stainless steel surfaces, including the platform, column, and indicator housing.
- **Washdown:** The scale's IP69K rating allows for high-pressure, high-temperature washdown. Ensure all cable connections are secure before washing. Use a pressure washer if necessary, directing spray away from direct impact on the display window.
- **Aqueduct Drainage System (ADS):** The scale incorporates an ADS with specialized drainage holes and a formed channel to prevent water and material accumulation. After washing, ensure these drainage paths are clear and unobstructed.
- **Drying:** Allow the scale to air dry or wipe it down with a clean, dry cloth after washing to prevent water spots.

6.2 General Maintenance

- Regularly inspect the power cord for any signs of damage.
- Check the adjustable feet for wear and ensure they are properly leveled.

- Periodically verify the scale's accuracy using certified test weights.

7. Troubleshooting

If you encounter issues with your B-Tek AquaShield Max scale, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scale does not power on.	No power supply; damaged power cord; indicator fault.	Check power connection and outlet. Inspect power cord for damage. If problem persists, contact support.
Unstable readings.	Scale not level; vibrations; air currents; damaged load cell.	Ensure scale is level and on a stable surface. Relocate away from drafts or vibrations. If problem persists, contact support.
"OVERLOAD" or "Err" message.	Weight exceeds capacity; damaged load cell.	Remove excess weight. If message persists with no load, contact support.
Incorrect weight readings.	Needs calibration; debris under platform; damaged load cell.	Ensure platform is clean. Perform calibration (if qualified) or contact certified service personnel.

For issues not listed above or if solutions do not resolve the problem, please contact B-Tek customer support.

8. Specifications

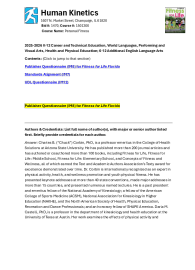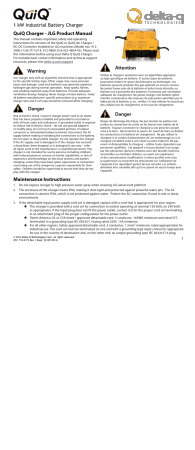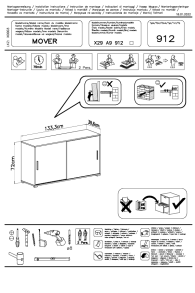| Attribute	Detail
Model	912-5671 AquaShield Max
Capacity	5 lb x 0.001 lb (also supports kg)
Construction	304 Stainless Steel
Platform Size	10" x 10"
Indicator	T403S with backlit 7-digit LCD display, 0.8" digits
Load Cell	IP69K Hermetically Sealed
Certifications	NTEP, COC: 20-042	Canadian Approval: AM-6145	IP69K
Product Dimensions	10 x 14 x 20.5 inches (assembled)
Item Weight	20.5 Pounds
UPC	745809834677

9. Warranty and Support

B-Tek products are manufactured to high standards and are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official B-Tek website. For technical support, service, or to inquire about replacement parts, please contact your authorized B-Tek dealer or B-Tek customer service. When contacting support, please have your model number (912-5671) and serial number (if applicable) ready.

Manufacturer: B-TEK
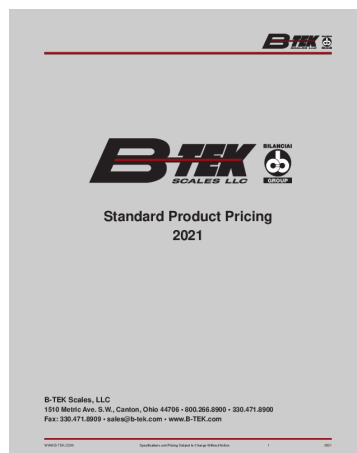**Brand:** BTEK

Related Documents - 912-5671

[Florida Fitness for Life: A Comprehensive Personal Fitness Program by Human Kinetics](#)
Explore the Florida Fitness for Life program by Human Kinetics, designed for high school students to achieve lifetime personal fitness. This document details curriculum components, author credentials, and alignment with Florida state standards for personal fitness education.

[Delta-Q QuiQ 1 kW Industrial Battery Charger Product Manual](#)
Comprehensive product manual for the Delta-Q QuiQ 1 kW Industrial Battery Charger, covering safety instructions, operating procedures, troubleshooting, and charge profile selection for JLG machines.

[ROTAX 912 i Series Line Maintenance Manual - BRP-Rotax](#)
Official Line Maintenance Manual for ROTAX® 912 i Series aircraft engines (912 iS, 912 iS Sport, 912 iSc Sport) by BRP-Rotax. Covers maintenance, inspection, troubleshooting, and system servicing for aviation professionals.

[MOVER 912 Assembly Instructions and Product Information](#)
This document provides assembly instructions, safety warnings, and product details for the MOVER 912 furniture item. It includes multilingual guidance for assembly, care, and important safety precautions to ensure proper use and longevity of the product.

[BIBIED GM-912 User Manual - Hearing Aid Instructions](#)
Comprehensive user manual for the BIBIED GM-912 hearing aid. Learn how to set up, operate, maintain, and troubleshoot your device for optimal hearing assistance.

Fullriver Battery Charger Product Guide

A comprehensive guide to Fullriver Battery's range of industrial battery chargers, including the QuiQ, IC, and FR series. This guide details specifications, features, and compatibility for various applications.

Documents - BTEK – 912-5671

[pdf] User Manual Specifications Guide Warranty Catalog

Standard Product Pricing 2021 B TEK Scales LLC peak measurement batching and remote display see user guide for full 1 Aiphone M3PS 3 call station Manual control BTEK Catalog b tek medias Truck On Scale Sentinel Combo Rail Test Cart TSC800 Totalcomp TDE23 Unibridge DL90000 Zemic HM9E 1510 Metric Ave S W Canton Ohio 44706 800 266 8900 330 471 Fax 8909 sales@b COM Specifications |||
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[pdf] Specifications Guide Warranty Pricing Guide

Standard Product Pricing 2021 B TEK Scales LLC Warranty claims MUST be supplied with information specific to the error damage or defect of product General weighing and freely programmable application programs via LUA Configurable on web panel ethernet connection main board BTEK Price Guide May21 Small b tek medias Policies Business Hours Monday Friday 8 00 AM 5 PM EST Shipping Terms All UPS LTL shipments will sent pre paid add unless otherwise directed Carrier use |||
Standard Product Pricing 2021 B-TEK Scales, LLC 1510 Metric Ave. S.W., Canton, Ohio 44706 800.26 ... ,815.00 2,815.00 Discount E E E E E E E E AquaShield Max with T403S Part Number Model Number **912-5671** NB-BS-1010-5-T403-HS 912-5673 NB-BS-1010-20-T403-HS 912-5675 NB-BS-1010-50-T403-HS 91...
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