Mettler Toledo 11138042

Mettler Toledo 11138042 Weighing Table Instruction Manual

For XPR/XSR Analytical/Micro Balances

1. Product Overview

The Mettler Toledo 11138042 Weighing Table is specifically designed to provide a stable and vibration-free environment for Mettler Toledo XPR and XSR Analytical/Micro Balances. This specialized table is crucial for achieving highly accurate and reproducible weighing results, particularly with sensitive micro and analytical balances.

Key features of this weighing table include:

- Designed for seamless integration with XPR/XSR Analytical/Micro Balances.
- Ensures an easy in-and-out fit for the balance.
- Constructed to minimize external vibrations, enhancing measurement precision.
- Manufactured in Switzerland, ensuring high quality and precision engineering.

The package includes:

- 1 x Mettler Toledo 11138042 Weighing Table

2. Setup and Installation

Proper setup of the weighing table is critical for optimal performance of your analytical or micro balance. Due to its substantial weight (approximately 280 pounds) and dimensions (48 x 48 x 36 inches), it is recommended that installation be performed by at least two individuals to ensure safety and proper positioning.

1. **Site Selection:** Choose a location that is as free as possible from vibrations, drafts, and temperature fluctuations. Avoid areas near air conditioning vents, windows, or heavy machinery.
2. **Unpacking:** Carefully unpack the weighing table from its packaging. Inspect all components for any signs of damage during transit.
3. **Positioning:** Place the weighing table in the selected location. Ensure it is level. Most weighing tables have adjustable feet; use a spirit level to verify and adjust until perfectly level.
4. **Balance Placement:** Gently place your Mettler Toledo XPR or XSR Analytical/Micro Balance onto the designated area of the weighing table. The table is designed for an easy and secure fit.
5. **Cable Management:** Route any necessary cables (e.g., power, data for the balance) neatly to avoid interference with the table's stability or the balance's operation.

Figure 2.1: The Mettler Toledo 11138042 Weighing Table, shown with an analytical balance, monitor, and keyboard, illustrating a typical setup for precise weighing applications.

3. Operating Considerations

While the weighing table itself does not have operational controls, its proper use is integral to the accurate functioning of the analytical balance placed upon it. Adhere to the following guidelines:

- **Maintain Stability:** Avoid leaning on the table or causing any sudden movements during weighing procedures. Even slight disturbances can affect sensitive balance readings.
- **Load Distribution:** Place the balance centrally on the designated area of the table to ensure even load distribution and optimal vibration dampening.
- **Environmental Control:** Ensure the environment around the table remains stable. Close doors and windows to prevent drafts, and maintain a consistent room temperature.
- **Cleanliness:** Keep the table surface clean and free of debris that could interfere with the balance's stability or operation.

4. Maintenance and Care

Regular maintenance of your Mettler Toledo weighing table will ensure its longevity and continued performance in providing a stable weighing environment.

- **Cleaning:**
  - Wipe the table surfaces regularly with a soft, damp cloth.
  - For stubborn stains, use a mild, non-abrasive cleaning agent. Avoid harsh chemicals or abrasive materials that could damage the surface finish.
  - Ensure the table is completely dry before placing the balance back on it.
- **Inspection:** Periodically check the table's leveling feet to ensure they are secure and the table remains level. Adjust as necessary.

- **Structural Integrity:** Inspect the table for any signs of damage, loose connections, or wear that could compromise its stability.

5. Troubleshooting

While the weighing table is a passive component, issues with its setup or condition can indirectly affect balance performance. Consider the following if you experience problems with your balance's readings:

Problem	Possible Cause	Solution
Unstable balance readings	Table not level; external vibrations; table not on a solid floor.	Check and adjust leveling feet. Ensure the table is placed on a stable, non-vibrating floor. Relocate the table if necessary to an area with fewer external disturbances.
Balance does not fit correctly	Incorrect balance model; obstruction on table surface.	Verify that your balance is a Mettler Toledo XPR or XSR Analytical/Micro Balance. Clear any debris or objects from the table's designated balance area.
Table appears wobbly or unstable	Loose leveling feet; damaged component.	Tighten all leveling feet. Inspect the table for any visible damage or loose parts. If damage is found, contact Mettler Toledo support.

For balance-specific troubleshooting, refer to the instruction manual provided with your Mettler Toledo XPR or XSR Analytical/Micro Balance.

6. Specifications

Attribute	Value
Model Number	11138042
Brand	Mettler Toledo
Compatible Balances	Mettler Toledo XPR/XSR Analytical/Micro Balances
Included Components	Weighing Table (1)
Package Dimensions	48 x 48 x 36 inches
Weight	280 Pounds (approx.)
Country of Origin	Switzerland
First Available Date	August 23, 2019

7. Warranty and Support

For information regarding the warranty of your Mettler Toledo 11138042 Weighing Table, please refer to the documentation provided at the time of purchase or contact Mettler Toledo directly. Mettler Toledo provides comprehensive customer support for their products.

Mettler Toledo Customer Support:

- Visit the official Mettler Toledo website for contact information, FAQs, and service requests.
- Contact details for technical support and service centers can typically be found on their website or in your product's original packaging.

When contacting support, please have your product model number (11138042) and purchase details readily available.