Short Operating Instructions  
For further information, please refer to the operators Manual

METTLER TOLEDO  
XP / XS Analytical- and Precision Balances

**Basic Functions:**

**Switching on and off Display**

1. Switch on display: Press the «On/Off» key briefly. The display performs a test and is then ready to weigh.

   ![On/Off](image)

2. Switch off Display: Press and hold the «On/Off» key until the message “OFF” appears in the display. The display then fades and the balance is switched off.

   ![Off](image)

**Zero Display**

Zeroing: Press the «O» to set a new zero point.

![Zero](image)

Always use the «O» before you start the weighing procedure.

**Tare Display**

Taring: If you work with a Tare container, first zero the balance. Then put the Tare container on the balance and press «T», to tare the balance.

![Tare](image)

**Weighing Setup:** For more precision / shorter stability time

**Weighing filters:**

- **Weighing mode**
  1. Choose System-Set up
  2. Define Weighing parameters
  3. Define the Weighing mode

  Advise:
  - Solids: «Universal»
  - Powder, Liquid: «Dosing»

**Weighing filters:**

- **Environment**
  1. Choose System-Set up
  2. Define Weighing parameters
  3. Define Environment

  Advise:
  - Fume cupboard – unstable weighing table: «Unstable», «Very unstable»
  - Stable Weighing table, no drafts: «Standard», «Stable»

**Weighing filters:**

- **Value Release**
  1. Choose System-Set up
  2. Define Weighing parameters
  3. Define Value Release

  Advise:
  - Highest Precision: «Very reliable»
  - Fast Value Release: «Very fast», but less precision

**User Profile:** *only XP

**Choose User Profile**

This key can be used to call up the desired user profile. Different settings can be stored in a user profile.

![User Profile](image)

**Additional Functions:**

- **Levelling, Internal Adjustment (Factory setting)**
  1. Level indicator is built-in in the device.
  2. Level indicator is not centered.*
  3. Release the clamps.*
  4. Levelling. After this process, lock the clamps again.*
  5. Internal Adjustment

Pressing this function key triggers a balance adjustment using the built-in calibration weight. This can be implemented at any time.

![Levelling](image)

* depending on balance

**Test:**

- **Levelling, Internal Adjustment**
  - XP Balance
  - XS Balance

**Weighing-Aplications**

Choose the application: If you want to change the application, then press the application menu button and choose another application.

![Application](image)
**METTLER TOLEDO Excellence Plus and Excellence Balances**

**Overview of the Terminal XP Analytical- and Precision balances:**

1. **Button SmartSens:**
   Each of these two contact-free sensors can be assigned a key or menu function.

2. **Button Home:**
   This key can be used to return to the “Home” user profile from any menu level in any application.

3. **Button User profile:**
   This key can be used to call up the desired user profile. Different settings can be stored in a user profile.

4. **Status bar:**
   If the left or right SmartSens is assigned a key function, then the corresponding symbol is highlighted.

5. **System-Setup:**
   Define the basic settings.

6. **Select the application.**

7. **Button Applications-Setup:**
   Each application can be optimized to the current task using a number of settings.

8. **Printer:**
   Pressing this key transmits data via the interface.

**Overview of the Terminal XS Analytical- and Precision balances:**

1. **Button Home:**
   This key can be used to return to the “Home” user profile from any menu level in any application.

2. **Weighing application:**
   By pressing this symbol you can choose the desired application.

3. **Button Applications-Setup:**
   Each application can be ideally adapted to the current task using a number of settings.

4. **Printer:**
   Pressing this key transmits data via the interface.