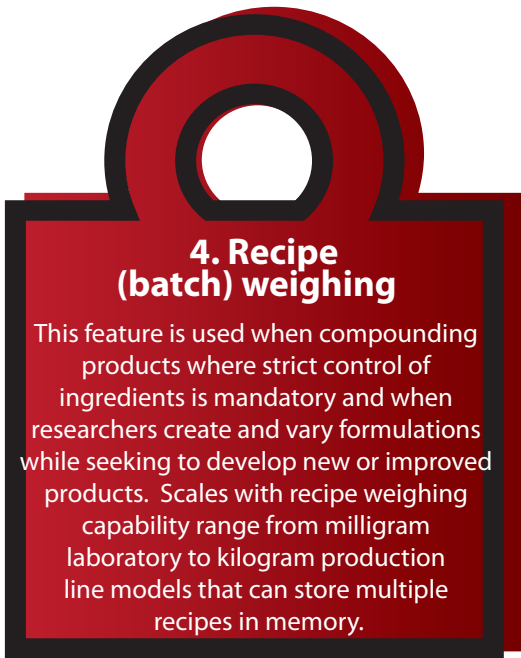


10 Selection Tips for Precision Digital Scales

Today's precision digital scales, also referred to as digital balances, perform a broad range of weighing-related functions in R&D, quality control, and similar applications where accuracy and precision are key criteria to meeting government, trade association, and industry-promulgated standards.



4. Recipe (batch) weighing

This feature is used when compounding products where strict control of ingredients is mandatory and when researchers create and vary formulations while seeking to develop new or improved products. Scales with recipe weighing capability range from milligram laboratory to kilogram production line models that can store multiple recipes in memory.



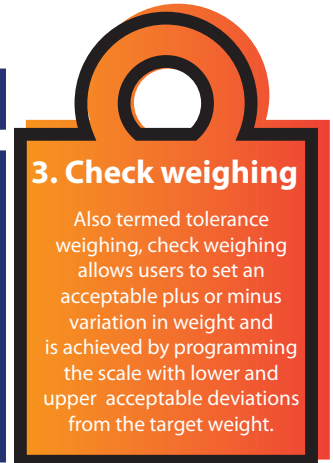
1. Weighing capacity

Determines the percentage deviation from the 100% target value.



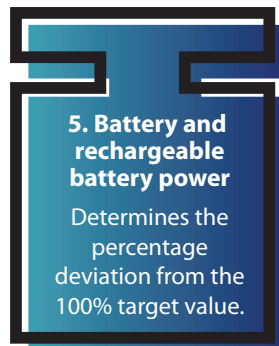
2. Piece counting

First establish a reference quantity by placing several pieces (10 to 20 is generally recommended quantity and all must be the same) on the tared scale and enter the quantity. The scale calculates the weight per piece and enters it into memory.



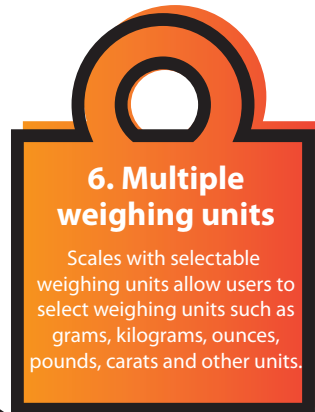
3. Check weighing

Also termed tolerance weighing, check weighing allows users to set an acceptable plus or minus variation in weight and is achieved by programming the scale with lower and upper acceptable deviations from the target weight.



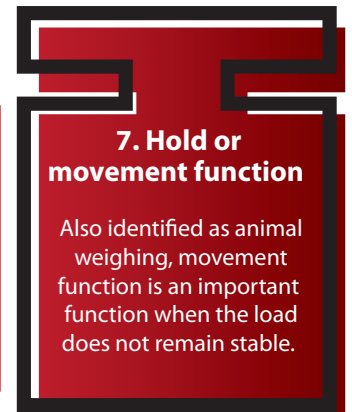
5. Battery and rechargeable battery power

Determines the percentage deviation from the 100% target value.



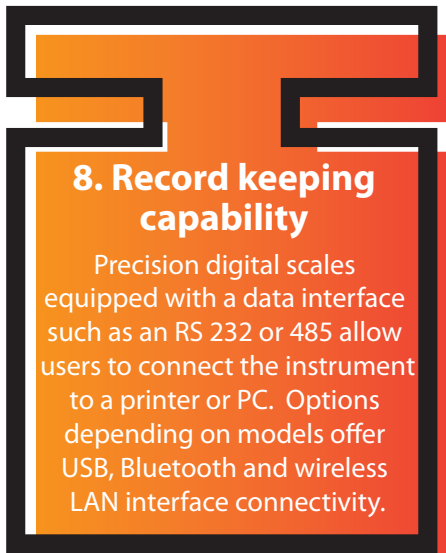
6. Multiple weighing units

Scales with selectable weighing units allow users to select weighing units such as grams, kilograms, ounces, pounds, carats and other units.



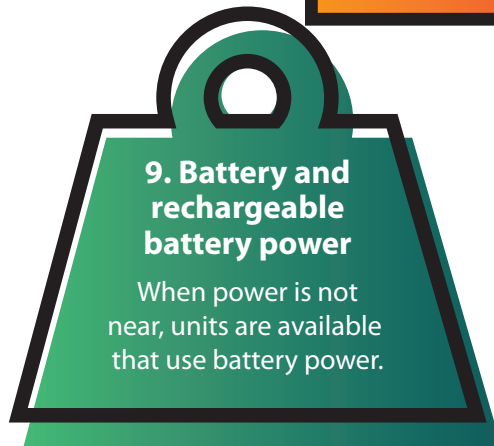
7. Hold or movement function

Also identified as animal weighing, movement function is an important function when the load does not remain stable.



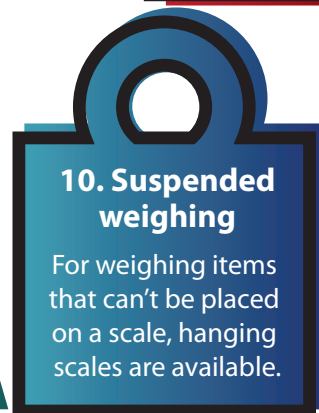
8. Record keeping capability

Precision digital scales equipped with a data interface such as an RS 232 or 485 allow users to connect the instrument to a printer or PC. Options depending on models offer USB, Bluetooth and wireless LAN interface connectivity.



9. Battery and rechargeable battery power

When power is not near, units are available that use battery power.



10. Suspended weighing

For weighing items that can't be placed on a scale, hanging scales are available.

Questions?

Tovatech's scientists are ready to assist you in selecting with calibration or Analytical Balance questions.

