

# TAKE THE RIGHT MEASURES WHEN SELECTING A BALANCE OR SCALE

Efficiency and precision are critical when performing certain weighing tasks, so it's essential to use the correct instrument for your needs. These questions can help you pick the best balance or scale for your needs.

## 1. What tasks do you need the balance/scale to perform?

When you're buying a new weighing device, think about what you need it to do and where it will be used. Here are typical applications for balances and scales:

- Education — elementary school to university classrooms
- Industrial and manufacturing tasks
- Lab testing; product research and development
- Medical offices and fitness centers
- Veterinary facilities and farm/live stock weighing
- Materials testing in the field or in the lab
- Food testing, processing and preparation
- Pharmaceutical or biopharmaceutical testing



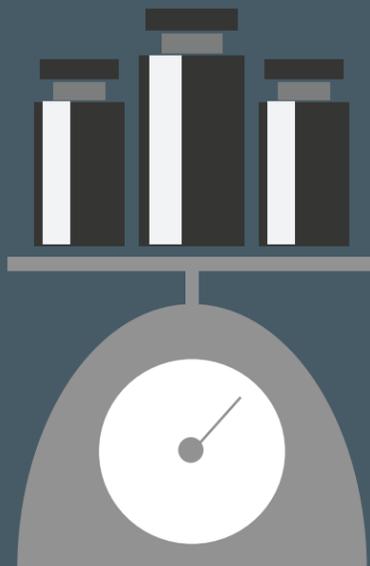
## 2. What level of precision is necessary?

Each application needs a different level of precision. Readability is the smallest division a balance can display, and higher readability often is needed for complex weighing tasks.

0.00005  
0.0004  
0.125  
0.05  
0.00015  
0.00005  
0.0100  
0.125  
0.05  
0.00005

## 3. How much capacity will you need?

Capacity is the maximum weight the balance can accommodate. When calculating capacity, remember to include the weight of any containers you might use.



## 4. Do your tasks require multiple units of measure?

Certain applications use specific weighing units. For example, lab applications typically use grams and milligrams, while food is weighed in ounces. Jewelers weigh precious metals in pennyweights and gems in carats.

Kg mg  
g Oz mg  
Lb Kg mg  
g Lb mg Oz

## 5. What size pan is required?

The weighing pan must be large enough to accommodate items to be weighed and the container that will hold them during weighing. Space restrictions also can mean opting for a smaller pan.



## 6. Other important features to consider:

- The need for internal/external calibration
- Below-balance weighing and specific gravity calculations
- Dynamic weighing
- USB/RS-232 interfaces
- Lockdown capabilities
- Plastic/metal housing

