PRECISE TECH · ENGINEERING SELECTION GUIDE

Pick the right balance before you ask for a price.

This guide groups all 33 series by the readability they actually deliver, then by the job they are built for. It is a quick-reference companion to the online product pages — every figure here comes from the same data source as the website.

0.1 mg	33	OEM
FINEST READABILITY	PRODUCT SERIES	LOGO & HOUSING

1 · Start from readability

Decide the smallest difference your method must resolve. Do not buy precision you will not use.

2 · Check capacity and pan

Bulky samples need platform area; heavy loads need capacity headroom.

3 · Confirm calibration & interface

Internal (N) or external (W) calibration; RS232 standard, USB optional on selected lines.

Instruments in this class are commonly specified against JJG 1036 (verification regulation for electronic balances), OIML R76-1 and GB/T 26497. Ask us for the documents that apply to the exact model you order; we do not claim conformity beyond the documents supplied.

By readability — every series at a glance

0.1 mg Analytical Balances 2 series

Choose 0.1 mg when your method weighs small masses or requires low detection limits; confirm the repeatability your method needs.

Model	Capacity	Calibration	Pan
PTX-FA	100 / 120 / 200 / 220 / 300 / 320 / 500 g	Internal Cal. (N suffix) / External Cal. (W suffix)	Ø 80 mm
PAB-FA	—	—	Ø 90 mm

1 mg Precision Balances 8 series

Choose 1 mg for formulation and routine weighing: it is faster and more robust than 0.1 mg while still resolving milligram changes.

Model	Capacity	Calibration	Pan
PAB-JA	—	—	Ø 115 mm
PTX-JA	500 / 1000 / 2000 g	—	Ø 110 mm (500 / 1000 g) · Ø 160 mm (2000 g)
PTY-A	—	External	Ø 90 mm
PRY-A	—	External	Ø 90 mm
PTT-A	—	External	Ø 90 mm
PTF-A	—	External	Ø 90 mm
PRT-A	—	External	Ø 90 mm
PRF-A	—	External	Ø 90 mm

0.01 g Precision Balances 10 series

Choose 0.01 g for general preparation and teaching. If you weigh both small and bulky samples, look for a dual-range model.

Model	Capacity	Calibration	Pan
PAB	—	External	Ø 160 mm
PTY-B	—	External	Ø 138 mm · 156 × 156 mm · 168 × 168 mm
PRY-B	—	External	Square or round stainless steel pan (see model table)
PTT-B	—	External	Ø 138 mm · 156 × 156 mm
PTF-B	—	External	Ø 138 mm · 156 × 156 mm
PTC	—	External	Ø 138 mm · 168 × 168 mm
PTE	—	External	Ø 138 mm · 168 × 168 mm
PRT-B	—	External	Ø 138 mm · 156 × 156 mm
PRC	—	External	Ø 138 mm · 168 × 168 mm
PRE	—	External	Ø 138 mm · 168 × 168 mm

0.1 g Electronic Balances 11 series

Choose 0.1 g for counting, packing and larger samples. A bigger pan matters more than readability when samples are bulky.

Model	Capacity	Calibration	Pan
PTT-C	—	External	Ø 133 mm · 168 × 168 mm
PTF-C	—	External	Ø 138 mm · 168 × 168 mm
PRT-C	—	External	Ø 133 mm · 168 × 168 mm
PTC	—	External	Ø 138 mm · 168 × 168 mm
PTC-C	—	External	Ø 138 mm · 168 × 168 mm

Model	Capacity	Calibration	Pan
PTE	—	External	Ø 138 mm · 168 × 168 mm
PTE-C	—	External	Ø 138 mm · 168 × 168 mm

Going by application instead?

Density Testing for Gold & Jewellery

Density measurement is a quick, non-destructive way to check solid samples. A density balance combines a precision weighing platform with an Archimedes density kit.

Analytical Balances for Pharmaceutical QC

Analytical balances support assay preparation, reference standards and routine quality checks. The right configuration depends on the smallest mass you weigh and how results are recorded.

Moisture Analysis for Food & Raw Materials

Halogen moisture analyzers give a direct moisture percentage, which makes them practical for incoming checks and process control on food ingredients and raw materials.

Precision Weighing in Chemical & General Labs

Routine chemistry and general labs need balances that are easy to use, tolerant of daily handling and available in the capacity they actually use.

PRQ	—	External	205 × 295 mm, stainless steel

Moisture & density instruments
MA / TMA moisture analyzers report moisture percentage (0.001% – 0.05%). MD / TDM density meters report density readability from 0.0001 to 0.001 g/cm³. See the online datasheets for the full tables.

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Send your sample, target capacity and readability — our engineer will confirm the smallest model that meets your method.