Price Computing Scales

A price computing scale multiplies net weight by a stored unit price and displays weight, unit price and total to both operator and customer. Any scale used to set the selling price of goods must be NTEP Class III certified and sealed by the state weights-and-measures authority.

Retail scale selection

Application	Typical capacity	Typical readability	Notes
Deli, cheese, prepared foods	30 lb	0.01 lb	NTEP, dual display
Butcher shop, meat counter	60 lb	0.02 lb	Stainless, washdown-friendly
Produce market, farm stand	30 lb	0.01 lb	Battery option for outdoor stands
Pre-packing and grab-and-go	30–60 lb	0.01–0.02 lb	Label printer with PLU memory

Certification and compliance

- Authorized A&D Weighing dealer. Sold as an authorized dealer since 1998, so every unit carries the full manufacturer warranty and factory firmware — not grey-market stock.
- NIST-traceable calibration certificate. Any instrument can ship with a calibration certificate produced in our Cypress, Texas lab using mass standards traceable to NIST, with as-found and as-left values recorded.
- NTEP legal-for-trade options. Models in this category are available with an NTEP Certificate of Conformance evaluated against NIST Handbook 44, ready for sealing by your state weights-and-measures authority.
- ASTM E617 / OIML R111 test weights. Verification weights are supplied in ASTM Class 1–6 or OIML E2–M3 tolerances, sized so the standard's tolerance stays inside one third of the scale's smallest division.
- In-house repair & on-site service. Factory-trained technicians repair, adjust and re-certify weighing equipment in our own Texas workshop and on-site across the Houston metro.

Specification checklist

- NTEP Class III and state sealing. Non-negotiable for any sale by weight.
- Customer display. The buyer must see weight, unit price and total.
- PLU memory. Stored unit prices speed the counter and prevent keying errors.
- Label printing. Worth it above roughly 50 packages a day.
- Cleanability. Stainless platter and sealed keypad in any food environment.

Frequently asked questions

Do deli scales have to be legal for trade?

Yes. Any scale that determines the price a customer pays must be NTEP-certified and sealed by your state weights-and-measures office.

What capacity price computing scale do I need?

30 lb x 0.01 lb suits deli, cheese and produce counters. Butcher shops handling larger cuts generally choose 60 lb.

Can a price computing scale print labels?

Label-printing models include a thermal printer and PLU memory, producing a weight/price/total label — often with a barcode — for each package.

How often do retail scales need inspection?

Most jurisdictions require annual inspection by the state or a licensed service agency to maintain the seal, plus recalibration after any service or relocation.

Terminology

Accuracy	How close a displayed weight is to the sample's true mass. Accuracy is limited by readability, repeatability and linearity together, so a scale can never be more accurate than its specification sheet's worst of those three figures.
ASTM E617	The American standard that defines tolerance classes for mass standards. Class 1 weights are the tightest commonly used for laboratory balances, Class 2 for 0.01 g balances, and Classes 4 and 6 for industrial platform and crane scales.
Legal for trade	A device certified and sealed for use in commercial transactions where weight determines price. In the United States this requires an NTEP Certificate of Conformance and a seal from the state or local weights-and-measures authority.
NIST Handbook 44	The United States specification, tolerance and technical requirement document for commercial weighing and measuring devices. NTEP evaluates devices against it.
NTEP	The National Type Evaluation Program, run by NCWM, which tests weighing devices against NIST Handbook 44 and issues a Certificate of Conformance with an accuracy class. Required for legal-for-trade use.
NTEP accuracy class	The class assigned to a certified device: Class I and II for laboratory, analytical and jewelry work, Class III for retail and general commercial weighing, and Class IIII for coarse industrial use.
OIML R76 / R111	The international recommendations for non-automatic weighing instruments (R76) and for weights of classes E1 to M3 (R111). They are the international counterparts to NIST Handbook 44 and ASTM E617.
Verification	Applying a certified test weight and recording the reading without adjusting the instrument. This is the record an auditor asks for, and it is not the same as calibration.

EK1200i.com — authorized A&D Weighing dealer since 1998. Calibration, repair and application support from Cypress, Texas.
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