Digital Balances

LT-G4045 - LT-G4050 | Six capacity and readability options

Strain-gauge load cell • LCD display • Rechargeable battery



600 g-30 kg

MAXIMUM CAPACITY OPTIONS

0.01-0.5 g

READABILITY BY MODEL

Aggregate • Concrete • Minerals • Construction-material specimens

Photograph and Weighing Components

Weighing pan, LCD display and front control panel

The compact balance range offers different capacities and readability options for bench-top specimen weighing. A strain-gauge load cell and backlit LCD display form the weighing system.

WEIGHING PAN

Position the vessel or specimen evenly. Keep total load within model capacity.

LCD DISPLAY

Monitor the stable mass reading and weighing status on the front display.

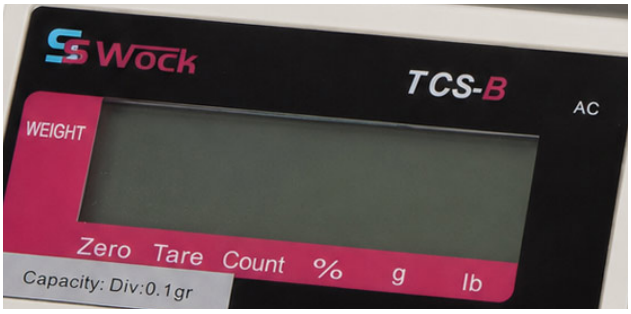


CONTROL KEYS

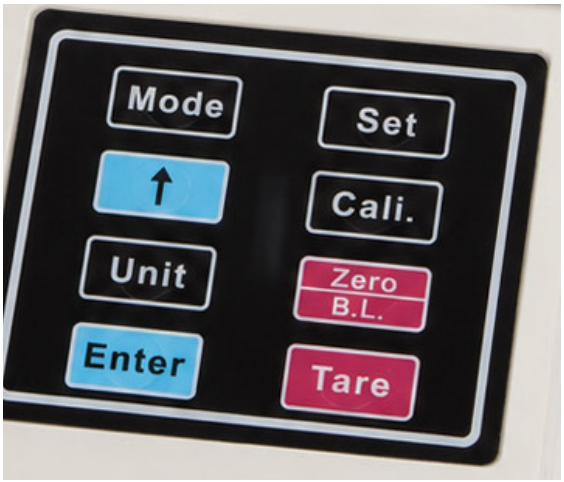
Operate zero, tare and calibration functions through the front panel.

COMPACT HOUSING

The 270 × 220 mm housing dimensions support bench-top use.



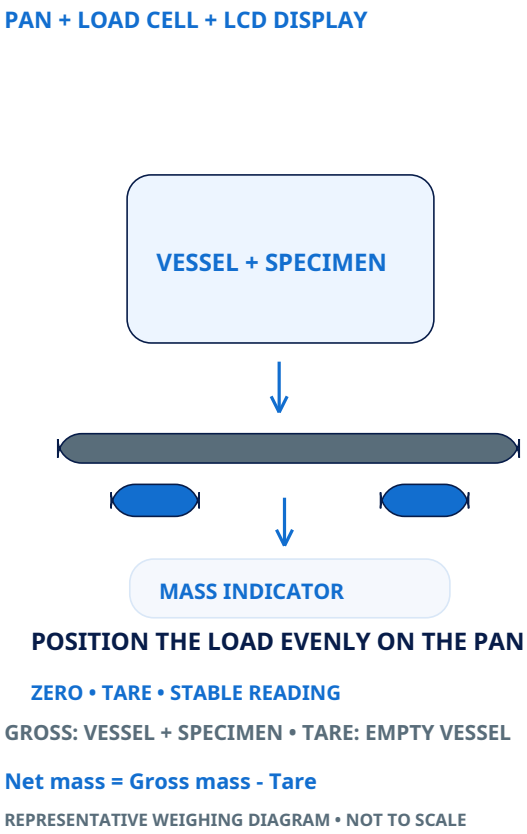
LCD weighing display and status indicators



Zero, tare and calibration controls

Net Specimen Mass Using Tare

Select model • Zero • Tare the vessel • Weigh specimen



Select and Zero

Check total load against capacity. Confirm zero with the pan empty.

Tare and Load

Position the empty vessel and tare it. Add the specimen evenly.

Read and Record

Record net mass once the reading is stable. Keep total load within capacity.

Applied pan load is converted into an electrical signal by the strain-gauge load cell. The electronic system displays mass on the LCD. Tare excludes empty vessel mass; record net specimen mass after the reading stabilises.

Capacity and Readability Selection

Models with 600, 3000 and 6000 g capacity offer 0.01 g readability. The range also includes a 6000 g model at 0.1 g and 30 kg models at 0.5 or 0.1 g.

Evaluate vessel and specimen load together. Choose readability for the test method; displayed digits do not define measurement accuracy.

LT-G4050 Under-Balance Weighing

LT-G4050 provides 30 kg capacity, 0.1 g readability and under-balance weighing. Its mechanical hook can be used with suitable specific-gravity test equipment.

A specimen can be suspended in water. Evaluate dry and immersed mass according to the relevant test method. Prevent contact between the specimen and vessel surfaces.

Model Comparison and Common Specifications

Six models • Capacity, readability and under-balance weighing

Product Code	Capacity (g)	Readability (g)	Under-Balance
LT-G4045	600	0.01	-
LT-G4046	3000	0.01	-
LT-G4047	6000	0.01	-
LT-G4048	6000	0.1	-
LT-G4049	30000	0.5	-
LT-G4050	30000	0.1	Available

Common Specification	Value / Description
Weighing System	Strain-gauge load cell • Backlit LCD
Housing Dimensions	270 × 220 mm
Weight	5 kg
Power Arrangement	Rechargeable battery • 220 V adaptor
Working Temperature	0-40 °C
Calibration	External reference weights

Check Zero and a Reference Mass Before Weighing

Place the balance on a stable surface free from vibration. Check with a suitable reference mass; tare the empty vessel and record specimen mass once the reading is stable.

From Empty Pan to Net Mass

01
Zero
Check zero with the weighing pan empty.

02
Tare
Position and tare the empty vessel.

03
Load
Add and position the specimen evenly.

04
Record
Record stable net mass and specimen ID.

Product Page | liyatest.com.tr/en/urun/digital-balances/