Drying Machine

LT-G0250 | Portable drying for aggregate and soil specimens

Local warm airflow • Lightweight body • Laboratory and field use



1.5 kg

APPROXIMATE MACHINE WEIGHT

220 V

POWER SUPPLY

Moisture reduction and drying preparation for small specimens

LT-G0250

Photograph and Machine Components

Air outlet, handle, operating controls and cable connection

LT-G0250 supports drying of small aggregate and soil specimens. The illustrated handheld arrangement directs warm air towards the work area. Arrange the specimen in a suitable vessel and monitor drying.



AIR OUTLET

Directs airflow. Arrange the specimen to prevent particle displacement.

MAIN BODY

Houses the airflow and heating arrangement. Keep air passages clear.

HANDLE AND CONTROLS

The handheld body and handle-mounted controls support operation.

CABLE CONNECTION

The power cable exits below the handle. Check the connection before use.



Air outlet and flow direction section



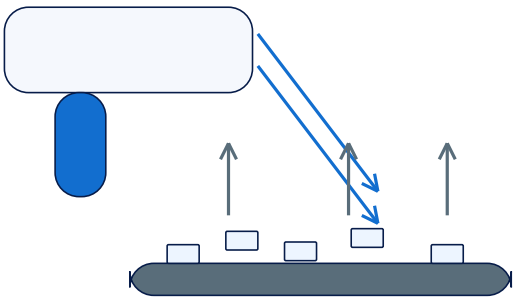
Handle-mounted operating controls

LT-G0250

Specimen Drying with Warm Air

Weigh wet specimen • Spread in vessel • Dry • Determine dry mass

AIRFLOW + SPECIMEN VESSEL + EVAPORATION



WARM AIR: SUPPORTS SPECIMEN DRYING

EVAPORATED MOISTURE LEAVES THE SPECIMEN

MONITOR MASS CHANGE BY WEIGHING

NET WET MASS • NET DRY MASS

my: WET MASS • mk: DRY MASS

Moisture (%) = 100 × (my - mk) / mk

DRY-MASS BASIS • EXCLUDES VESSEL TARE • REPRESENTATIVE

Prepare the Specimen

Weigh the wet specimen. Spread it evenly in a suitable heat-resistant vessel.

Monitor Drying

Direct airflow carefully. Prevent loss of fines and redistribute the specimen as needed.

Weigh and Assess

Cool and reweigh by the method. Check the constant-mass condition and determine dry mass.

Warm airflow supports removal of evaporable moisture. Repeated weighing shows mass change. Subtract vessel tare and use net wet and dry masses for moisture calculation. Specimen loss, changes other than drying and weighing conditions affect the result.

Specimen and Drying Arrangement

Select a suitable vessel and arrangement for small aggregate and soil specimens. Set specimen quantity and drying endpoint by the applicable test method.

Prevent airflow from blowing away fines. Monitor the material and avoid overheating that could alter its properties. Use consistent conditions for similar specimens.

Weighing and Post-Process Care

Record wet and dry masses in the same units. Keep vessel, cooling conditions and weighing arrangement consistent between repeat measurements. Apply the method’s constant-mass criterion.

Switch off after drying and allow appropriate cooling. Clean the vessel and check the outlet and cable before preparing the unit for its next use.

Technical Specifications and Drying Workflow

LT-G0250 • Specimen types, portable construction and power supply

Technical Specification	Value / Description
Product Code	LT-G0250
Product Name	Drying Machine
Primary Application	Drying small quantities of specimens
Specimen Types	Aggregate and soil
Working Arrangement	Local airflow with monitored drying
Overall Dimensions	55 × 50 × 20 cm
Approximate Weight	1.5 kg
Power Supply	220 V, 50-60 Hz, 1 phase
Working Area	Laboratory and mobile field laboratory

Record Drying Conditions and Net Specimen Mass

Select specimen quantity, vessel tare and drying endpoint by the method. Prevent material loss between weighings and record net wet and dry masses consistently.

From Wet Specimen to Dry Mass

01
Weigh
Determine vessel tare and wet specimen mass.

02
Position
Spread the specimen evenly in a suitable vessel.

03
Dry
Direct airflow and monitor mass change.

04
Finish
Cool, reweigh and record the result.

Product Page | liyatest.com.tr/en/urun/drying-machine/