Laboratory Microwave Oven

LT-G0260 | Incremental drying of aggregate and soil specimens

17 L chamber • Rotating tray • Power and time controls



17 L

CHAMBER CAPACITY

11 kg

APPROXIMATE MACHINE WEIGHT

Rapid drying of suitable specimens • Repeated weighing • Mass tracking

LT-G0260

Photograph and Oven Components

Front door, power level, time control and benchtop body

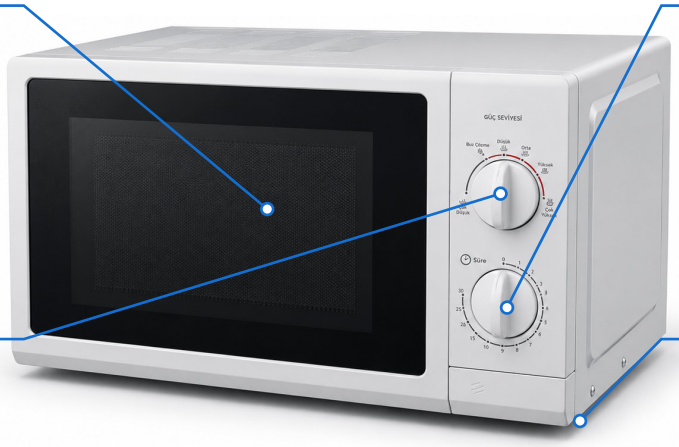
LT-G0260 supports incremental microwave drying of suitable specimens. Select power and time for the material and follow mass change after each stage. The chamber contains a rotating tray.

FRONT DOOR

Closes the specimen chamber. Check the door and closing arrangement before operation.

POWER LEVEL

The upper control selects the heating level. Set it to suit the specimen.



TIME CONTROL

The lower control manages duration. Select incremental drying periods by the method.

BENCHTOP BODY

The compact outer structure supports positioning on a laboratory bench.



Power level selection control



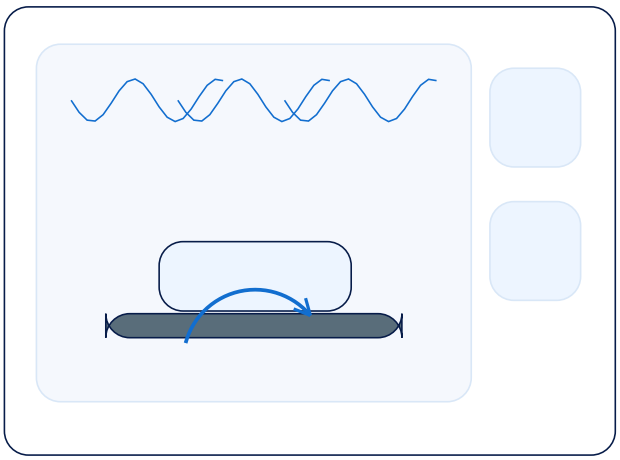
Processing time setting control

LT-G0260

Incremental Microwave Specimen Drying

Weigh wet specimen • Use suitable vessel • Dry incrementally • Reweigh

SPECIMEN CHAMBER + ROTATING TRAY + HEATING



MICROWAVE ENERGY AND ROTATING TRAY

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. Position it evenly in a microwave-compatible vessel.

Dry Incrementally

Select power and time by the method. Inspect the specimen between short processing stages.

Weigh and Assess

Cool appropriately and reweigh. Follow the method’s constant-mass criterion.

Microwave energy supports specimen heating and removal of evaporable moisture. The rotating tray changes specimen position within the chamber. Dry incrementally and subtract vessel tare to obtain net wet and dry masses. Prevent specimen loss and overheating.

Specimen, Vessel and Programme

Use a microwave-compatible vessel for the specimen. Match vessel size to the chamber and tray movement and position it securely.

Select duration and power level by the working method. Check specimen condition after each stage. Avoid overheating that could alter the material properties.

Repeated Weighing and Care

Record wet and dry masses in the same units and subtract vessel tare. Keep cooling and weighing conditions consistent between repeats.

Assess constant mass by the applicable method. Switch off after use and clean residues once vessel and chamber have cooled. Check the rotating tray and door.

LT-G0260

Technical Specifications and Drying Workflow

LT-G0260 • Capacity, chamber dimensions, rotating tray and power supply

Technical Specification	Value / Description
Product Code	LT-G0260
Product Name	Laboratory Microwave Oven
Chamber Capacity	17 L
Internal Dimensions	21 × 28 × 28 cm
Overall Dimensions	45 × 30 × 30 cm
Approximate Weight	11 kg
Power Supply	220 V, 50-60 Hz, 1 phase
Specimen Movement	Rotating tray
Operating Controls	Power level and time
Primary Application	Drying and preconditioning suitable specimens

Match Incremental Drying to the Specimen and Programme

Select a microwave-compatible vessel. Set power and time by the method and follow mass change between drying stages; check the constant-mass condition.

From Wet Specimen to Dry Mass

01
Weigh
Determine vessel tare and wet specimen mass.

02
Position
Place the compatible vessel securely on the tray.

03
Dry
Select power and time; apply incremental drying.

04
Finish
Cool, reweigh and record the result.

Product Page | liyatest.com.tr/en/urun/laboratory-microwave-oven/