Asphalt Binder Analyser

LT-AS0300 | Integrated weighing and automatic binder calculation

TFT touchscreen • Controlled ignition • Thermal printer



3000 g

MAXIMUM ASPHALT SPECIMEN

0.1 g

WEIGHING RESOLUTION

Asphalt production • Road laboratories • Mixture quality control

LT-AS0300

Photograph and Analysis Components

Furnace door, TFT control, printer and main power switch

LT-AS0300 determines asphalt binder content from mass loss monitored during ignition. Integrated weighing and automatic calculation provide test information through the TFT display and thermal printer.

FURNACE DOOR

Provides access to the specimen chamber. Position baskets under the test arrangement.

TFT CONTROL DISPLAY

Monitor test settings, temperatures and weighing information on the touchscreen.



THERMAL PRINTER

Allows test results to be recorded as printed reports.

MAIN POWER SWITCH

Operate the main power control using the front-panel switch.



TFT touchscreen control display

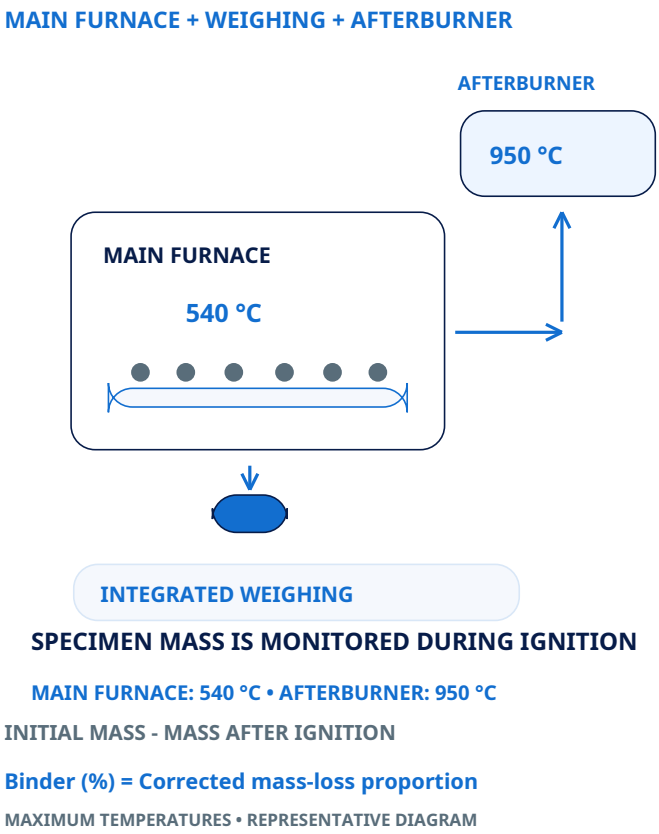


Integrated thermal report printer

LT-AS0300

Ignition, Mass Tracking and Binder Calculation

Weigh specimen • Ignite • Monitor mass loss • Correct and report



Prepare Specimen

Place the asphalt specimen in suitable baskets. Record initial mass and test settings.

Ignite and Track Mass

Controlled ignition removes binder. The integrated balance monitors mass change.

Correct and Report

Apply the aggregate correction for the mixture. Calculate binder content and save the report.

The ignition method uses asphalt specimen mass loss to determine binder content. Any aggregate mass change during ignition is evaluated using the appropriate correction factor. Calculate results and corrections according to the test method.

Specimen and Weighing Capacities

The unit analyses up to 3000 g of asphalt specimen per test. The integrated balance has a 10,000 g capacity and 0.1 g resolution.

Specimen capacity and weighing capacity are separate values. Select specimen mass for the mixture particle size and applicable test method.

Heating, Accessories and Records

The main furnace reaches up to 540 °C and the afterburner up to 950 °C. The afterburner passes exhaust gases through an additional high-temperature zone to support combustion.

Sample baskets, cooling basket and handling fork complete the test arrangement. Record specimen ID, masses, corrections and results using the TFT display and thermal printer.

LT-AS0300

Technical Specifications and Test Equipment

LT-AS0300 • Capacities, temperatures, controls and methods

Specification	Value / Description
Product Code	LT-AS0300
Maximum Specimen Capacity	3000 g
Integrated Balance Capacity	10,000 g
Weighing Resolution	0.1 g
Main Furnace Temperature	Maximum 540 °C
Afterburner Temperature	Maximum 950 °C
Control / Reporting	TFT touchscreen • Thermal printer
Calculation	Automatic binder content • Aggregate correction
Dimensions	980 × 600 × 750 mm
Test Methods	EN 12697-39 • ASTM D6307 • AASHTO T308

Determine the Aggregate Correction for the Mixture

Apply the test method corrections before interpreting mass loss as binder percentage. Use the same procedure for specimen quantity, temperature and result calculation.

From Asphalt Specimen to Binder Report

01
Prepare
Position the specimen in the basket and weigh.

02
Ignite
Start controlled ignition under the method.

03
Correct
Apply aggregate correction to mass loss.

04
Report
Record binder content and test information.

Product Page | liyatest.com.tr/en/urun/asphalt-binder-analyser/