Sand Equivalent Shaker

LT-A0003 / LT-A0004 | Standard and safety-cover models

Horizontal cylinder motion • Constant speed • Timed automatic stop



180 r.p.m.

OPERATING SPEED

200 mm

NOMINAL HORIZONTAL MOVEMENT

Aggregate • Concrete • Asphalt • Laboratory quality control

LT-A0003 / LT-A0004

Photograph and Shaking Components

Cylinder holder, moving assembly, control panel and protective cover

The shaker automatically moves the sand equivalent cylinder horizontally. An integrated timer stops operation at the end of the preset period. The photograph shows the cover open, exposing the cylinder holder and moving assembly.

CYLINDER HOLDER

Secures the cylinder in its horizontal operating position. Check placement before starting.

PROTECTIVE COVER

Encloses the moving test section on the safety-cover version.

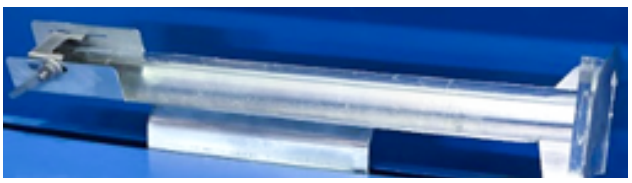


CONTROL PANEL

Start shaking from the front panel and monitor timer and operating status.

SUPPORTING BODY

Supports the motion mechanism. Place the unit on a stable bench.



Horizontal cylinder and clamping arrangement



Timer and start controls

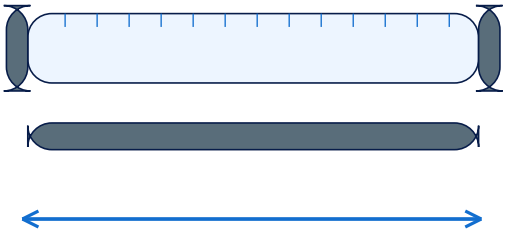
LT-A0003 / LT-A0004

Timed Horizontal Shaking

Prepare specimen • Secure cylinder • Shake • Continue the test

HORIZONTAL CYLINDER + HOLDER + TIMER

HORIZONTAL CYLINDER



200 mm NOMINAL MOVEMENT

INTEGRATED TIMER

OPERATING SPEED: 180 R.P.M.

CLAMPING • HORIZONTAL MOVEMENT • TIME

CYLINDER CONTENT: SPECIMEN + TEST SOLUTION

Stops automatically at the end of the preset time

REPRESENTATIVE SHAKING DIAGRAM • NOT TO SCALE

Prepare the Cylinder

Prepare specimen and test solution under the method. Close the cylinder and place it in the holder.

Secure and Start

Check that the cylinder is secured. Start automatic shaking for the method-specified period.

Continue After Stopping

The timer stops operation. Remove the cylinder and complete washing, settling and readings under the method.

Automatic horizontal motion helps reduce speed and movement variations associated with manual shaking. The unit performs the shaking stage of the sand equivalent test; specimen preparation, settling and readings must also follow the applicable method.

Two Models, Common Shaking Function

LT-A0003 is the standard model. It measures 220 × 600 × 320 mm and weighs 4.6 kg.

LT-A0004 is the safety-cover model. It measures 240 × 800 × 340 mm and weighs 27.5 kg. Its cover encloses the moving test section. Both models use 220 V, 50-60 Hz, single-phase power.

Test Conditions and Records

Evaluate speed, movement and shaking period under the selected sand equivalent method. Check correct positioning of the cylinder holder and closing arrangement.

Record specimen ID, test method and shaking information. Complete subsequent stages under the same procedure.

Model Comparison and Operating Features

Standard / safety cover • Dimensions, weight and electrical supply

Product Code	Construction	Dimensions (mm)	Weight (kg)
LT-A0003	Standard	220 × 600 × 320	4.6
LT-A0004	With safety cover	240 × 800 × 340	27.5

Common Specification	Value / Description
Movement	Horizontal linear • Nominal 200 mm
Operating Speed	180 r.p.m.
Time Control	Integrated timer • Automatic stop at period end
Power Supply	220 V • 50-60 Hz • 1 phase
Test Methods	EN 933-8 • ASTM D2419
Other Methods	AASHTO T176 • UNI 7446

Secure the Cylinder and Use the Method-Specified Time

Check cylinder placement before shaking. Apply the movement and timing conditions required by the test method; continue the test under the same procedure after the timed stop.

From Prepared Cylinder to Controlled Shaking

01
Prepare
Prepare specimen and solution under the method.

02
Secure
Place the closed cylinder in the holder.

03
Shake
Start automatic timed shaking.

04
Continue
Complete subsequent test stages.

Product Page | liyatest.com.tr/en/urun/sand-equivalent-shaker/