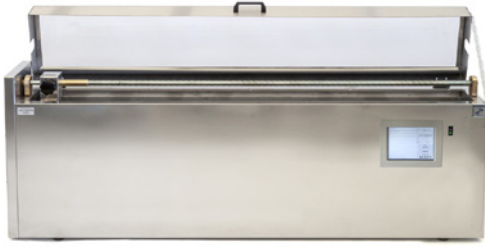




Ductilometer



OilLab 730



LT/DU-73000-R/M



LT/DU-73000/M



ASTM D113
ASTM D6084
AASHTO T51
EN 13398
IP 32 (obs.)

Ductility of Bituminous Materials.

The ductility of a bituminous material is measured by the distance to which it will elongate before breaking when two ends of a briquet specimen of the material are pulled apart at a specified speed and at a specified temperature.

Unless otherwise specified, the test shall be made at a temperature of $77 \pm 0.9^{\circ}\text{F}$ ($25 \pm 0.5^{\circ}\text{C}$) and with a speed of 5 cm/min $\pm 5.0\%$.

At other temperatures the speed should be specified.

LT/DU-73000/M

Manual ductilometer composed by:

- Structure fully made in stainless steel.
- Front panel including manual controls and temperature thermoregulator.
- Internal bath made in stainless steel with round edges for easily clean.
- Atmospheric drainage with a stopcock.
- Low voltage circulating pumps for bath uniformity and stainless steel immersion heaters.
- 3 places carriage head with brake, pointer for easily identify the break point.
- 1500 mm with 1mm resolution ruler.

LT/DU-73000-R/M

Refrigerated manual ductilometer composed by:

- Structure fully made in stainless steel.
- Front panel including manual controls for carriage movement, main switch and temperature thermoregulator.
- Refrigerating motor-compressor system CFC gas free for test temperatures up to $+5^{\circ}\text{C}$.
- Internal bath made in stainless steel with round edges for easily clean.
- Atmospheric drainage with a stopcock.
- Low voltage circulating pumps for bath uniformity and stainless steel immersion heaters.
- 3 places carriage head with brake, pointer for easily identify the break point.
- 1500 mm with 1mm resolution ruler.
- Frame cover with full-length inspection window equipped with security anti-overturn.

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Refrigerated automatic ductilometer composed by:

- Structure fully made in stainless steel.
- Front panel including manual controls for carriage movement, main switch and temperature thermoregulator.
- Refrigerating motor-compressor system CFC gas free for test temperatures up to $+5^{\circ}\text{C}$.
- Internal bath made in stainless steel with round edges for easily clean.
- Atmospheric drainage with a stopcock.
- Low voltage circulating pumps for bath uniformity and stainless steel immersion heaters.
- 3 places carriage head with brake, pointer for easily identify the break point.
- 1500 mm with 1mm resolution ruler.

- Frame cover with full-length inspection window equipped with security anti-overturn.
- Automatic traction system to measure and record the traction from 1 to 350N for each test place, with automatic system to measure the elongation from 1 to 450 mm for each test place.
- Touch screen panel pc 7" high visibility display equipped with 2 USB ports for updates, file export, printer..and dedicated software for automatic sample runs according ASTM D113 – EN13589 – EN13703:
 - User friendly interface
 - All analytical parameters recorded
 - Customizable analysis parameters
 - Printable graphs and results

Power Supply

- 220 or 115 Vac 50/60 Hz

Heating Power

- Approx. 1200 W

Dimensions

- cm 180 x 45 x 65

Bath Volume

- Approx. 70 litres

Bath Internal Dimensions

- cm 25 x 170 x 25

Weight

- kg 60

Accessories

- T-AS63C: thermometer ASTM 63C

Spare Parts

- LAB-100-731: ductility form
- LAB-100-732: form storage
- LAB-100-733: elastic recovery mould form