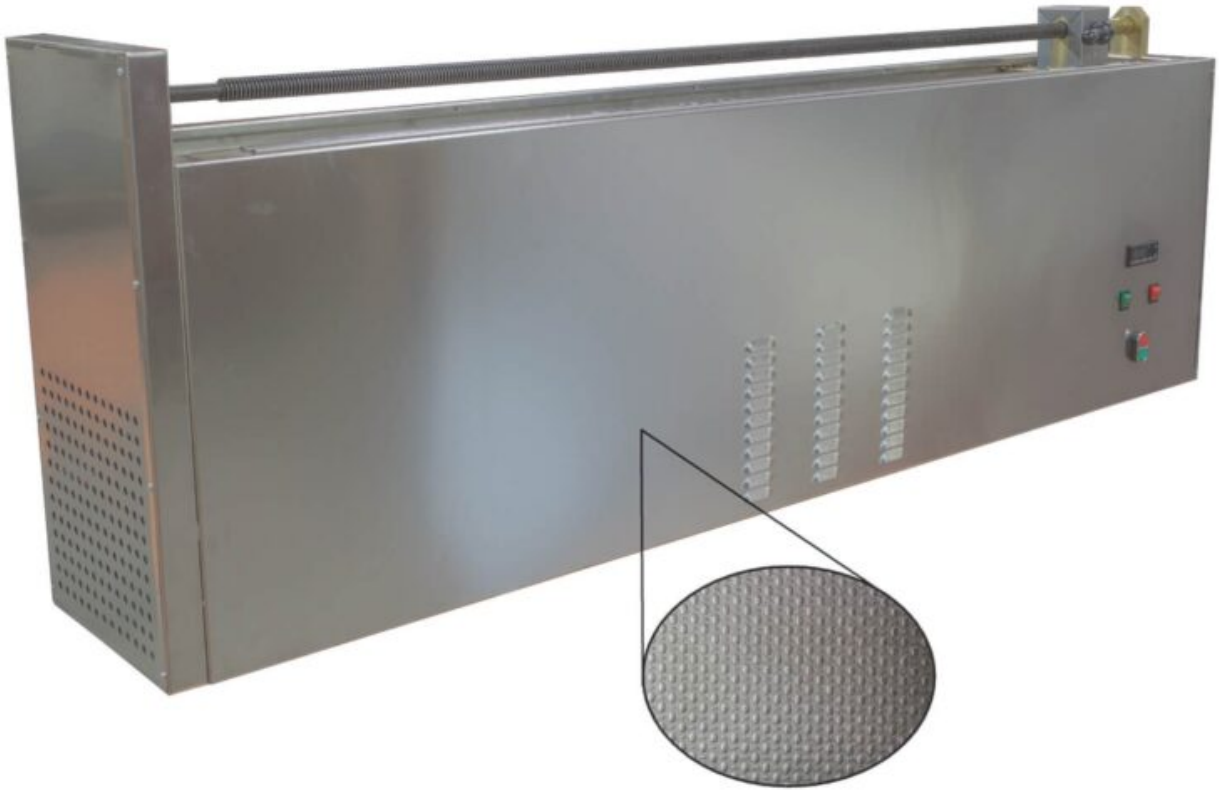
DUCTILITY TESTING MACHINE (Motorized) (A440)

Category: Asphalt



Product Code: A440

Category: ASPHALT

Sub-Category: DUCTILITY

Regular Model:

- Used to determine the ductility of a bituminous materials by measuring 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 temperature.
- Unless otherwise specified, the test shall be made at a temperature of 25°C ± 0.5°C and with a speed of 50 mm/min ± 5.0 %.
- The internal bath and external body are made of stainless steel, with double wall fiberglass insulation.
- Equipped with a thermoregulator to maintain the test temperature during the test.
- In hot areas, upon request, refrigerating unit can be also equipped with the machine (A-440/CU).
- Equipped with circulation motor used to maintain a constant temperature.
- Supplied with ductility mould and plate (set of 2).

Forced Ductility (With Force Measurement):

- Used to determine the ductility of a bituminous material 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
- Machine is controlled by LCD/PC
- Thermostatically controlled Heating & Cooling System
- Interior Stainless Steel (Length: 1500 cm)
- Briquette Capacity : 3
- Testing Speed : 5-100 mm/min
- Elongation measured by optical system
- Equipped with :
    - 3 Submersible Loadcells (each 500 N capacity)
    - Heating/Cooling System
    - Data acquisation system with Real-time graphs
- Supplied with:
    - Ductility Mould (3 ea)
    - Base Plate (3 ea)

STANDARDS

ASTM D113 • ASTM D6084 • EN 13398 • EN 13589 • EN 13703 • AASHTO T51

TECHNICAL SPECIFICATIONS

- Digital Thermostat & Indicator
- Interior Stainless Steel
- 220 – 240 V / 50 – 60 Hz

ORDERING INFORMATION

Item Name	Item Code
FORCE DUCTILITY TESTER	A440A00XU
DUCTILITY TESTER with COOLING UNIT [60 Hz]	A440C00XK
DUCTILITY TESTER with COOLING UNIT [50 Hz]	A440C00XT
DUCTILITY TESTER [60 Hz]	A440M00XK
DUCTILITY TESTER [50 Hz]	A440M00XT
BASE for DUCTILITY MOULD	A440P001H
DUCTILITY MOULD – ASTM	A440P002H
ELASTIC RECOVERY DUCTILITY MOULD – EN	A440P003H
ELASTIC RECOVERY DUCTILITY MOULD – ASTM	A440P004H
FORCE DUCTILITY MOULD – EN	A440P005H

Keywords: