

## DUCTILITY TESTER

Code : A440



### **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  $25^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$  and with a speed of  $50 \text{ mm/min} \pm 5.0 \%$ .
- 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 acquisition 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                                       | Code      |
|--|-----------|
| DUCTILITY TESTER                           | A440M00XT |
| DUCTILITY TESTER [60 Hz]                   | A440M00XK |
| DUCTILITY TESTER with COOLING UNIT         | A440C00XT |
| DUCTILITY TESTER with COOLING UNIT [60 Hz] | A440C00XK |
| FORCE DUCTILITY TESTER                     | A440A00XU |
| 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 |

**OTHER PHOTOS**

