

DUCTILITY TESTING MACHINE

STANDARDS for HR-AS2200 & HR-AS2205 : EN 13398, ASTM D113, ASTM D6084, AASHTO T51

STANDARDS for HR-AS2210 & HR-AS2215 : EN 13589, EN 13398, EN 13703, ASTM D113, ASTM D6084, AASHTO T51, AASHTO T300

Used to determine the bituminous ductility, that is to say, the distance to which a briquette of molten bitumen can be extended under controlled conditions, before its breaking.

The Ductilometer basically consists of a moving carriage travelling along guide ways.

The carriage is driven by an electrical motor, inside a large tank which is fitted with digital thermostat, immersion electric heater and pump unit.

This model works in an automatic way at a speed of 50 mm/min. and its max. Stroke is 1500 mm.

The tank is all made from stainless steel with fiberglass insulation and the external frame is electrostatic painted.

Water bath temperature is maintained constant at $25^{\circ}\text{C} \pm 0,5^{\circ}\text{C}$ by a digital thermoregulator.

Ductilometer with Cooling System is also available and it is equipped with incorporated refrigerating unit for tests with water temperature from $+ 5^{\circ}$ to $+ 25^{\circ}\text{C}$.

Force Ductility Testing Machine has 3 loadcells. Speed can be set. Speed control with servo motor between 1 to 100 mm/min.

Force Ductility Testing Machine with Cooling System is also available.

All of devices are suitable for testing 3 samples simultaneously.

Supplied complete with 3 moulds and base plates.



Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-AS2200	Ductility Testing Machine	45x200x50	80	220 V, 50 Hz, 1 ph
HR-AS2200/60Hz	Ductility Testing Machine	45x200x50	80	220 V, 60 Hz, 1 ph
HR-AS2205	Ductility Testing Machine with Cooling System	45x200x100	110	220 V, 50 Hz, 1 ph
HR-AS2205/60Hz	Ductility Testing Machine with Cooling System	45x200x100	110	220 V, 60 Hz, 1 ph
HR-AS2210	Force Ductility Testing Machine	45x200x50	80	220 V, 50 Hz, 1 ph
HR-AS2210/60Hz	Force Ductility Testing Machine	45x200x50	80	220 V, 60 Hz, 1 ph
HR-AS2215	Force Ductility Testing Machine with Cooling System	45x200x100	110	220 V, 50 Hz, 1 ph
HR-AS2215/60Hz	Force Ductility Testing Machine with Cooling System	45x200x100	110	220 V, 60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name	Standards
HR-AS2200/1	Briquette Mould	ASTM D133 & AASHTO T51
HR-AS2200/2	Briquette Mould	EN 13398
HR-AS2200/3	Briquette Mould Base Plate	ASTM D133 & AASHTO T51 & EN 13398