

# HİRA TESTING EQUIPMENT

## WATER BATHS

STANDARDS: EN 12697-27

Water baths are fully double walled stainless steel made with high quality stone wool insulation.

The specimens are held by a shelf spaced from the bottom.

Complete with digital thermostat and electric stirrer "for continuous water recirculation", ensuring a constant and uniform temperature of  $60 \pm 1$  °C as described in the standards.

Water bath with cooling unit is also available.

Depending on the capacity of the water bath, cooling unit can be under or near the water bath.



**HR-G1505**

**Technical Specifications:**

Product Code	Product Name	Capacity (lt)	Int. Dimensions (cm)	Ext. Dimensions (cm)	Weight (kg)	Temperature Range (°C)
HR-G1500	Water Bath with Circulation System	15	16x33x30	30x52x37	14	Ambient to 99.9
HR-G1505	Water Bath with Circulation System	30	16x51x30	30x69x37	17	Ambient to 99.9
HR-G1510	Water Bath with Circulation System	48	16x65x55	30x82x58	24	Ambient to 99.9
HR-G1525	Water Bath with cooling device	15	16x33x30	63x40x60	25	+5 to 70
HR-G1530	Water Bath with cooling device	30	16x51x30	63x40x76	35	+5 to 70
HR-G1535	Water Bath with cooling device	48	16x65x55	65x62x90	45	+5 to 70

**Technical Specifications:**

Temperature Sensor	Fe - Const
Control System	PID & MP
Temperature Resolution	$\pm 0.1$ °C
Pump Capacity	5 lt
Int. Surface Material	Stainless Steel
Ext. Surface Material	Steel with Electrostatic Powder Paint
Power Supply	220 V, 50-60 Hz, 1 ph



**HR-G1500**

## BITUMEN PENETROMETER

STANDARDS: EN 1426, ASTM D5, AASHTO T49

Used to determine the consistency of a bituminous sample under fixed conditions of load, time and temperature. The penetration is expressed in distance of tenths of millimeters vertically penetrated by a standard needle.

Penetration is measured with digital gauge 0,01 mm resolution.

The penetrometer is supplied with stop and release push button, automatic zero timer set, penetration needle, transfer dish and 6 penetration tins 55x35 mm dia.

The other accessories should be ordered separately.

**Technical Specifications:**

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-AS1925	Semi-Automatic Digital Bitumen Penetrometer	20x30x50	10	220 V, 50-60 Hz, 1 ph



**HR-AS1925**