

## HİRA TESTING EQUIPMENT

### SOIL LATHE

Designed to reduce by trimming the diameter of a soil sample unit is reaching the desired diameter size by using a wire saw.

Soil Lathe can trim and Extrude samples from 35 mm to 100 mm diameter. It should be used together with Open Wire Saw.

The lathe is hand-operated, the height is adjustable up to 230 mm.

Open Wire Saw, Wires, Trimming Knife should be ordered separately.

#### Technical Specifications:

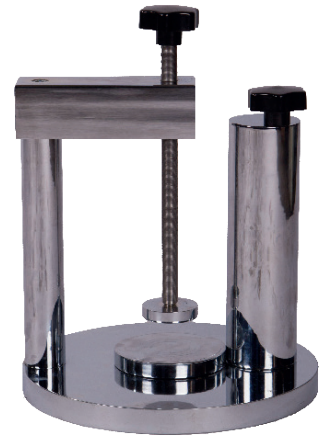
Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S6350	Soil Lathe	30x30x35	27

#### Spare Parts & Accessories:

Product Code	Product Name
HR-G0753	Open Wire Saw
HR-G0754	Wire. Pack of 12
HR-G0755	Trimming Knife



HR-G0753  
WITH  
HR-G0754



HR-S6350



HR-G0755

## PARTICLE SIZE ANALYSIS OF SOILS

### HYDROMETER TEST SET

STANDARDS: ASTM D422; AASHTO T88

This equipment is used to determine the quantitative size distribution of very fine particle in soils such as clay and silt.

Two models are available.

HR-S6450 Hydrometer Test Set is Supplied with Hydrometer Water Bath, Circulation Pump, Heater, High Speed Stirrer, 6 x 1000 ml Sedimentation Cylinder, 0,995 to 1,038 g/ml range 151 H Hydrometer, 1 kg Sodium Hexametaphosphate and 600 ml Beaker.

HR-S6460 Digital Hydrometer Test Set is Supplied with Digital Hydrometer Water Bath, Circulation Pump, Heater, High Speed Stirrer, 6 x 1000 ml Sedimentation Cylinder, 0,995 to 1,038 g/ml range 151 H Hydrometer, 1 kg Sodium Hexametaphosphate and 600 ml Beaker.

The Hydrometer Water Bath, circulation unit, ambient to 35°C working temperature, 50 L capacity tank with 8 pieces Sedimentation cylinder capacity. The Water Bath is available in two models one with Analogue and the other one with Digital Indicator.

High Speed Stirrer operates at over 10,000 rpm, includes dispersion cup, stirring paddle, automatic switch-on by positioning bowl.

-5 to 60 g/l range 152 H Hydrometer should be ordered separately.

Cooling coil and clamps should be ordered separately.



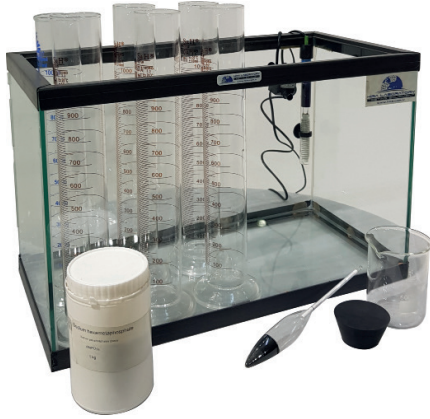
HR-S6410



HR-S6415

#### Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6450	Hydrometer Test Set	35x65x57	25	220 V, 50-60 Hz, 1 ph
HR-S6460	Digital Hydrometer Test Set	35x65x57	26	220 V, 50-60 Hz, 1 ph



**HR-S6470 with  
HR-S6450/1 HR-S6470/1 HR-S6470/2**



**HR-S6480 with  
HR-S6450/1 HR-S6470/2**

### Spare Parts & Accessories:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6470	Hydrometer Water Bath	20x40x30	5	220 V, 50-60 Hz, 1 ph
HR-S6480	Digital Hydrometer Water Bath	25x40x45	6	220 V, 50-60 Hz, 1 ph
HR-S6470/1	Circulation Pump	---	---	220 V, 50-60 Hz, 1 ph
HR-S6470/2	Heater	---	---	220 V, 50-60 Hz, 1 ph
HR-S6420	151 H Hydrometer, 0,995 to 1,038 g/ml range	---	---	---
HR-S6415	152 H Hydrometer, -5 to 60 g/l range	---	---	---
HR-S6450/1	Sedimentation Cylinder, 1000 ml	---	---	---
HR-S6410	High Speed Stirrer	26x25x57	3,5	220 V, 50-60 Hz, 1 ph
HR-G0930	Sodium Hexametaphosphate, 1 kg	---	1	---
HR-G0007	Beaker, 600 ml	9x9x12,5	0,25	---
HR-S6470/3	Cooling coil and clamps	---	---	---

## MEASURING SOIL TEXTURE TEST SET

Texture, or size distribution of mineral particles (or its associated pore volume), is one of the most important measures of a soil because finely divided soil particles have much greater surface area per unit mass or volume than do coarse particles. Thus, a small amount of fine clay and silt will be much more important in chemical reactions, release of nutrient elements, retention of soil moisture, etc., than a large volume of coarse gravel or sand.

Measuring Soil Texture Test Set is supplied with High Speed Stirrer, -5 to 60 g/l range 152 H Hydrometer, Bouyoucos Cylinder, 1205 ml and Stainless Steel Stirring Rod.

High Speed Stirrer operates at over 10,000 rpm, includes dispersion cup, stirring paddle, automatic switch-on by positioning bowl.

### Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6400	Measuring Soil Texture Test Set	25x40x57	4	220 V, 50-60 Hz, 1 ph

### Spare Parts & Accessories:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6410	High Speed Stirrer	26x25x57	3,5	220 V, 50-60 Hz, 1 ph
HR-S6415	152 H Hydrometer, -5 to 60 g/l range	---	---	---
HR-S6400/1	Bouyoucos Cylinder, 1205 ml, graduated	9x9x12,5	0,25	---
HR-S6400/2	Stirring Rod, Stainless Steel	---	---	---



**HR-S6400**