FIELD CBR TEST SET

STANDARDS: ASTM D4429, BS 1377:7, 1924:2

Used to determine quickly and efficiently the bearing capacity of soils on road constructions, foundations, road subgrades etc.

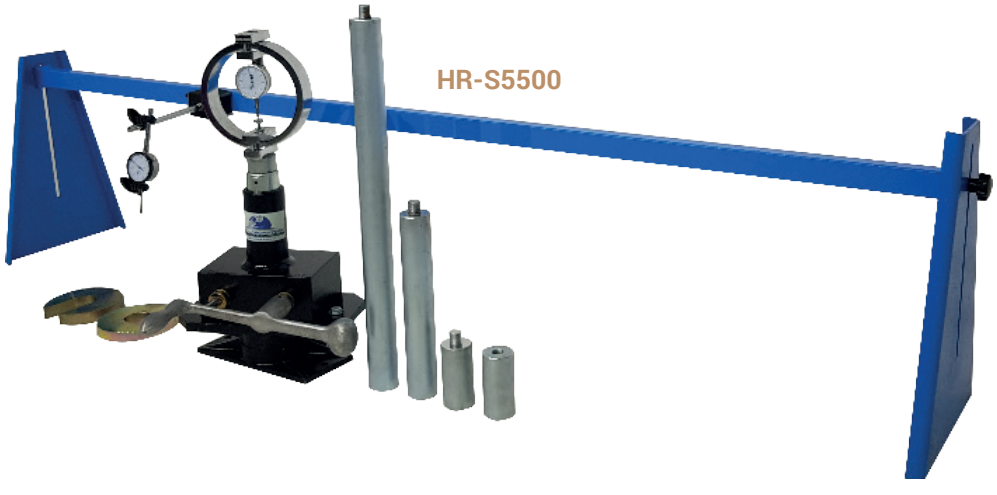
The Field (In-situ) CBR Test Set is 50 kN capacity.

Manuel Field CBR Test Set consist of 50 kN capacity Mechanical Jack with ball seating, 50 kN capacity Load Ring, CBR Penetration Piston, Analog Penetration Dial Gauge (30 x 0,01 mm), Adjustable Dial Gauge Holder, Set of Extension Rods (2 pieces 102 mm, 1 pieces 305 mm and 1 pieces 610 mm), Datum Bar Assembly with two Tripod Stands, 4,5 kg Annular Surcharge Weight, 4,5 kg Slotted Surcharge Weights and Carrying Case.

Digital Field CBR Test Set consist of 50 kN capacity Mechanical Jack with ball seating, 50 kN capacity Load Cell, Wire for Load Cell connection, CBR Penetration Piston, Digital Dial Indicator (25 x 0,01 mm), Digital Readout Unit, Set of Extension Rods (2 pieces 102 mm, 1 pieces 305 mm and 1 pieces 610 mm), Datum Bar Assembly with two Tripod Stands, 4,5 kg Annular Surcharge Weight, 4,5 kg Slotted Surcharge Weights and Carrying Case.

Conversion Frame is used to convert the In-situ CBR test to a Mechanical Laboratory CBR test machine.

The system is easily assembled onto the Conversion Frame with the addition of some of the accessories included in The Field (In-situ) CBR Test Set. The frame is used with the Jack, Load Ring, CBR Mould and Penetration Piston.



Spare Parts & Accessories:

Product Code	Product Name
HR-S5500/1	Mechanical Jack with ball seating
HR-G5003	Load Ring, 50 kN
HR-G0981	Load Cell, 50 Kn
HR-G0981/1	Wire for Load Cell connection
HR-S5000/1	CBR Penetration Piston
HR-G0876	Analog Dial Indicator, 30 x 0,01 mm
HR-G0885	Adjustable Dial Gauge Holder
HR-G0878	Digital Dial Indicator, 25 x 0,01 mm
HR-S5500/D	Digital Readout Unit
HR-S5500/2	Set of Extension Rods (2 x 102 mm, 1x 305 mm, 1 x 610 mm)
HR-S5500/3	Datum bar assembly with two Tripod Stands
HR-S5500/4	4,5 kg Annular Surcharge Weight
HR-S5500/5	4,5 Kg Slotted Surcharge Weight
HR-S5500/7	Conversion Frame
HR-S5500/8	Wooden Carrying Case

HİRA TESTING EQUIPMENT

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S5500	Manuel Field CBR Test Set	24x165x25	50
HR-S5505	Digital Field CBR Test Set	24x165x25	52

HR-S5505

SAND DENSITY CONE APPARATUS

STANDARDS: ASTM D1556, AASHTO T181, T191

Used to determine the in-situ density of fine grained compacted soil.

The test consists in digging a hole into the ground and then collect, dry and weight the sampled soil.

The hole is than filled with dry sand from the cone container.

6,5" Sand Density Cone Set is supplied with Sand Cone Assembly with valve, Metal Base with Centre Hole and 5lt capacity Plastic Sand Jar.

Calibrating Container for HR-S5700 should be ordered separately.

12" Sand Density Cone Set is supplied with Sand Cone Assembly with valve, Metal Base with Centre Hole and 15 lt capacity Metal Sand Jar.

12" Density Cylinder is used for determining in place density of compacted base courses containing large sizes of coarse aggregates.

HR-S5700/4

HR-S5700

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S5700	Sand Density Cone Set, 6,5"	30x30x60	4
HR-S5720	Sand Density Cone Set, 12"	70x70x85	15
HR-S5730	Density Cylinder, 12"	47x32x26	10

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (cm)
HR-S5700/1	Sand Cone Assembly with valve, 6,5"	Ø 6,5x18
HR-S5700/2	Metal Base with Centre Hole for HR-S5700	30x30x2
HR-S5710	Plastic Sand Jar, 5 lt capacity	Ø 16x33
HR-S5700/4	Calibrating Container for HR-S5700	Ø16,5x18,7
HR-S5720/1	Sand Cone Assembly with valve, 12"	Ø 12"x35
HR-S5720/2	Metal Base with Centre Hole for HR-S5720	70x70x5
HR-S5720/3	Metal Sand Jar, 15 lt capacity	25x50

HR-S5720

HR-S5730