

California Bearing Ratio

34

Field CBR Test Set



34-T0115/A

Used for the in-situ determination of the bearing capacity of soils used in road construction. The complete set is housed in a strong carrying case and includes:

34-T0112
 50 kN cap. mechanical jack. Weight 8.5 kg

34-T0112/1
 Ball seating for 34-T0112. Weight 1 kg

82-T1008
 40 kN cap. load ring. Weight 4 kg

34-T0103/1
 Adjustable CBR penetration piston. Weight 2.2 kg

34-T0104/7
 Adjustable dial gauge holder

34-T0115/3
 Set of 3 extension rods and adapters. Weight 33 kg

34-T0115/41
 Datum bar assembly including two tripod stands and a 1220 long aluminium bar. Weight 7 kg

82-D1257
 Penetration dial gauge, 30x 0.01 mm

34-T0115/5
 9 kg slotted surcharge weight

34-T0115/6
 4.5 kg slotted surcharge weight

34-T0115/7
 4.5 kg annular surcharge weight



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MULTISPEED digital automatic universal tester for displacement controlled tests (34-V1072) contd.

DESCRIPTION

The **MULTISPEED** tester feature a rigid two column structure with upper cross beam which can be set at various height. The load jack, DC motor and controls are housed in a specially designed base cabinet. When fit in the digital mode, test data are acquired and processed by the Digimax or by other similar instruments. One of the main features of the new MULTISPEED is the control of test speed which is first easily set and then shown on the display. Furthermore, the test stroke can be set at the beginning of the test with automatic stop, avoiding to overload the machine and the specimen, thus assuring the operator safety. This important feature also permit to perform the speed calibration of the machine by micrometric manual adjustment by the operator. The display also show the travel direction of lower platen. The front panel is also fitted with an emergency button and two operating led: machine switched on and travel direction.

STANDARD ACCESSORIES

CBR: EN 13286-47, ASTM D1883, AASHTO T193

34-V0107/CBR

Test set to perform the CBR test in the digital mode, including:

82-P0375	Load cell 50 kN capacity
82-P0375/C	Adapter to fit load cell (two pieces)
82-P0322	Displacement transducer, 25 mm travel
34-T0104/81	Adjustable transducer holder
34-T0103/1	Adjustable CBR penetration piston

All above items can be ordered individually.

Marshall: EN 12697-34, ASTM D1559, ASTM D6927

34-V0107/MAR

Test set to perform the Marshall test in the digital mode, including:

82-P0375	Load cell 50 kN capacity
82-P0375/C	Adapter to fit load cell (two pieces)
82-P0322	Displacement transducer, 25 mm travel
34-T0104/81	Adjustable transducer holder
34-T0104/13	Compression device extension
34-T0104/10	Compression device
76-B0033	Stability mould

All above items can be ordered individually.

Data acquisition and software

82-P60R02	Digimax dual channel graphic digital display and processing unit, suitable for CBR, Marshall and other load/displacement tests. 230 V, 50-60 Hz, 1 ph.
82-SW/CMU	PC software for CBR, Marshall, Indirect tensile and general tests

Important note: the EN standards concerning the Marshall test prescribe a machine in the digital configuration with recording unit.

LOCAL ACCESSORIES (shown in accompanying picture)

82-P0380.LOC	Load Cell, S-type, 50kN
82-P0374.LOC	Digital Readout unit with housing
82-D1256.IMP	Dial Indicator, DIA01-25, 25 x 0.01mm
34-T0104/10.CON	Adaptor, CBR Load Frame to Load Cell
34-T0103/1.CON	CBR Piston, thread 3/4 UNF
34-T0104/7.CON	CBR Dial Indicator Bracket



TECHNICAL SPECIFICATIONS

- **Max. capacity:** 50 kN
- **Test speed range:** infinitely variable: 0.2 to 51 mm/min
- **Power:** DC motor 750 W
- **Horizontal clearance:** 270 mm (distance between columns):
- **Max. vertical daylight :** 730 mm (without accessories)
- **Platen travel:** 100 mm
- **Overall dimensions:** 392 x 495 x 1213 (lxwxh)
- **Net weight approx.:** 65 kg

