SERVOTEC UNIVERSAL MULTISPEED LOADING FRAME TESTER 50 kN (MOTORIZED)

Immediate Bearing Index

The Servotec Automatic Multispeed Loading Tester is a versatile and reliable machine designed for various compression test applications, including CBR soil tests, Marshall Stability tests, and Unconfined Compression Strength tests. With its advanced servo motor drive system, it ensures precise loading, smooth operation, and accurate test results. Suitable for laboratories seeking efficiency and convenience, this unit combines automation with user-friendly features for consistent and repeatable performance.

For California Bearing Ratio (CBR), Marshall Stability, Unconfined Compression Strength (UCS) Test.





CBR Set Up



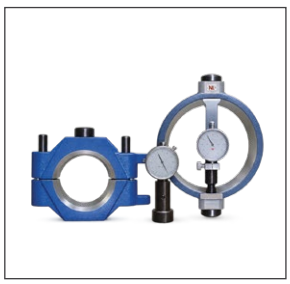
MARSHALL Set Up

Technical Specifications :

Model Number	NL 5002 X / 009
Capacity	50 kN
Adjustable Speed	Up to 90 mm/min
Vertical Clearance	700 mm
Horizontal Clearance	260 mm
Product Dimension	410 (L) x 630 (W) x 1240 (H) mm
Packing Dimension	500 (L) x 800 (W) x 1400 (H) mm
Product Weight	84 kg
Packing Weight	110 kg
Power	220~240 V, 1080 W, 1 Ph, 50/60 Hz, 4.5 A, 1.4 Hp



CBR Accessories



MARSHALL Accessories



UCS Accessories

Optional Accessories :

CBR TEST	
Model Number	**Accessories Description**
NL 5002 X / 010 – P 001	Penetration Piston
NL 5002 X / 010 – P 002	Extension Rod for BS Penetration Piston
NL 5002 X / 010 – P 003	Dial Gauge Holder
NL 7023 X / 009	50.0 kN (5000 kgf) Proving Ring
NL 7020 X / 001	Analogue Dial Indicator 25 x 0.01 mm
MARSHALL STABILITY TEST	
NL 2010 X / 006 – P 003	4" (101.6 mm) Dia. Stability Mould
NL 2010 X / 010 – P 001	4" (101.6 mm) Dia. Stability Mould Flow Meter
NL 7023 X / 009	50.0 kN (5000 kgf) Proving Ring
NL 2010 X / 006 – P 002	Extended Plunger
NL 7020 X / 001	Analogue Dial Indicator 25 x 0.01 mm
NL 2010 X / 006 – A 001	6" Dia. Marshall Stability Mould
NL 2010 X / 006 – A 002	6" Dia. Marshall Stability Mould Flow Meter
NL 7023 X / 007	30.0 kN (3000 kgf) Proving Ring
NL 2010 X / 004 – A 004	Tensile Splitting Device (for 4" & 6" Sample) c/w Loading Strip 12.7 mm & 19.1 mm Width
UNCONFINED COMPRESSION STRENGTH (UCS)	
NL 7023 X / 005	Proving Ring 10 kN
NL 5023 X / 004 – P 001	Specimen Plunger with Gauge Holder Set
NL 7020 X / 001	Analogue Dial Indicator 25 x 0.01 mm

*1 Copy of Manual Instruction

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