SERVOTEC AUTOMATIC CBR / MARSHALL TESTER 50 kN (AUTOUCH)

Immediate Bearing Index

A versatile and reliable machine designed for various compression test applications, including CBR soil tests, and Marshall Stability tests,. With its advanced servo motor drive system and intelligent touchscreen control, 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) and Marshall Stability.

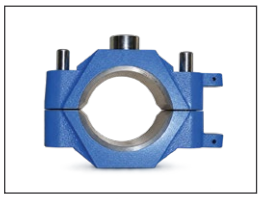
Features:

- **Display** – Large 7" touchscreen control panel.
- **Live Data** – Real-time graph and data display.
- **User-Friendly** – Automatic mode (preset standard speed) & Manual mode (user input speed).
- **Servotec** – Low noise and minimal vibration
- **Safety Features** – Emergency stop button and rammer travel limit switch.
- **Data Export** – USB transfer to PC.
- **Ink-less Printer** – Quick result printout after test.
- **Automatic Operation** – Auto stop and auto return after test completion.
- **Easy Assembly** – Test setup for Marshall & CBR





CBR Accessories



MARSHALL Accessories

Technical Specifications :

Model Number	NL 5002 X / 016
Capacity	50 kN
Adjustable Speed	0.01 - 50 mm/min
Vertical Clearance	700 mm
Horizontal Clearance	250 mm
Display Unit	7" LCD Touchscreen Display
Product Dimension	400 (L) x 640 (W) x 1135 (H) mm
Packing Dimension	650 (L) x 750 (W) x 1070 (H) mm
Product Weight	88 kg
Packing Weight	100 kg
Power	220~240 V, 1.0 kW, 1 Ph, 50/60 Hz, 4.8 A

Set Consists Of :

Model Number	Description	Qty
NL 2010 X / 004 – P 001	50 kN 'S' Type Load Cell	1no.
NL 2010 X / 004 – P 002	Displacement Transducer Probe	1no.

*1 Copy of Manual Instruction

Optional Accessories :

Model Number	Accessories Description
CBR TEST	
STANDARD : BS 1377-4, EN 13286-47, ASTM D 1883, AASHTO T 193	
NL 5002 X / 006 – P 001	Penetration Piston
NL 5002 X / 006 – P 002	Extension Rod for BS Penetration Piston
NL 5002 X / 007S – P2	Transducer Holder
MARSHALL STABILITY TEST	
STANDARD : ASTM D1559, D5581, AASTHO T245, EN 12697-34, BS 598:107	
NL 2010 X / 006 – P 002	Extended Plunger
NL 2010 X / 006 – P 003	4" (101.6 mm) Dia. Stability Mould
NL 2010 X / 007S – P 002	Displacement Transducer Probe Brass Collar
NL 2010 X / 006 – A 001	6" Dia. Stability Mould
NL 2010 X / 004 – A 004	Tensile Splitting Device (for 4" & 6" Sample) c/w Loading Strip 12.7 mm & 19.1 mm Width

NL TCP	Thermo Cassette Printer
NL TPR – 57	Thermo Paper Roll 57mm x 31mm Dia. (5 rolls/pack)

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