

# SERVOTEC AUTOMATIC MULTISPEED LOADING TESTER 50 kN (AUTOUCH)

### Immediate Bearing Index

The Servotec Automatic Multispeed Loading Tester 50kN 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 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.

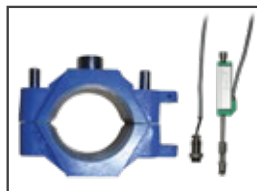
For California Bearing Ratio (CBR), Marshall Stability, Unconfined Compression Strength (UCS) Test.

### 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 & UCS.



CBR Accessories



MARSHALL Accessories



Unconfined Accessories

### Technical Specifications :

Model Number	NL 5002 X / 015
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

\*1 Copy of Manual Instructions

### Unit Consists Of :

Model Number	Description	Qty
NL 2010 X / P004 – P 001	50 kN 'S' Type Load Cell	1no.
NL 2010 X / P004 – P 002	Displacement Transducer Probe	1no.
NL 5002 X / 007S – P3	Integrated Thermo Printer c/w Papers (3 rolls)	1set

### Optional Accessories :

#### OPTIONAL ACCESSORIES (CBR TEST)

STANDARD : BS 1377-4, EN 13286-47, ASTM D 1883, AASHTO T 193

Model Number	Accessories Description
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
NL TPR – 57	Thermo Paper Roll 57mm x 31mm Dia. (5 rolls/pack)

#### OPTIONAL ACCESSORIES (MARSHALL STABILITY TEST)

STANDARD : ASTM D1559, D5581, AASHTO T245, EN 12697-34, BS 598:107

NL 2020 X / 006 – P 003	4" Marshall Stability Mould
NL 5002 X / 005 – A 004	Extended Plunger
NL 2010 X / 006 – A 001	6" (150mm) Marshall Stability Mould c/w Flow Meter Attachment
NL 2010 X / 004 – A 004	Tensile Splitting Device (for 4" Sample)

#### OPTIONAL ACCESSORIES (UCS)

STANDARD : BS 1377:7, ASTM D2166, AASHTO T208

NL 5002 X / 015 – A 001	Compression Platen c/w Gauge Holder Set
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