# ADVANCE RING & BALL SOFTENING POINT TESTER (TOUCH SCREEN VERSION)

**Standard: EN 1427, ASTM D36, AASHTO T53**

**Softening Point of Bitumen**

**The Advance Ring & Ball Softening Point** Tester is equipped with a 7-inch touchscreen display and a blade-type stirrer. It ensures excellent heating linearity and employs high-precision optical detection technology to scan the steel ball's sinking distance (25.4mm) and automatically record test results. By simply pressing the "Start Test" button, the entire test is carried out automatically, delivering accurate and reliable results. This instrument is suitable for asphalt performance testing and research in highway, urban construction, petrochemical industries, and scientific research institutes.




## Technical Specifications :

| Model Number | NL 2012 X / 006 |
|---|---|
| Temp. Accuracy | ± 0.1 °C |
| Temp. Measuring Range | 5 to 180 °C |
| Heating Rate (after 3 min) | 5.0 °C ± 0.5 °C / min |
| Temp. Resolution | 0.1 °C |
| Timing Range | 99 minutes and 99 seconds (99:99) |
| Stirrer Type | Stainless Steel Propeller (Adjustable Speed) |
| Test Channels | 2 channels |
| Product Dimension | 320 (L) x 210 (W) x 315 (H) mm |
| Packing Dimension | 380 (L) x 210 (W) x 350 (H) mm |
| Approx. Product Weight | 9 kg |
| Power | 220~240 V, 800 W, 1 Ph, 50/60 Hz, 3 A |

## Set Consists Of :

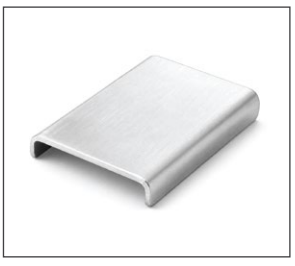
| Model Number | Parts Description | Qty |
|---|---|---|
| NL 2012 X / 001 – P 002 | Brass Tapered Ring | 2nos. |
| NL 2012 X / 001 – P 003 | Ball Centering Guide | 2nos. |
| NL 2012 X / 001 – P 004 | Steel Ball 9.5 mm Dia. | 2nos. |
| NL 2012 X / 003 – P 001 | Glass Beaker | 1no. |
| NL 2012 X / 003 – P 004 | 3-Blades Propeller Set | 1set |
| NL 2012 X / 003 – P 003 | Support Frame c/w Thermosensor & Heating Element | 1set |

*1 Copy of Manual Instruction

## Optional Accessories :

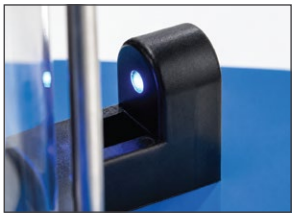
| Model Number | Accessories Description |
|---|---|
| NL MP – 100 | Mini Printer c/w Cable (Serial) |
| NL MP – 100 RP | Printer Paper (3 rolls) |
| NL ERC – 05 | Seamless Ribbon (Black) |
| NL 2012 X / 003 – A 003 | Pouring Plate (EN 1427) |


Mini Printer


Pouring Plate



Touchscreen Display


Fall Detection Sensor

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