



ADVANCE ASPHALT BINDER ANALYZER (IGNITION METHOD)

Standard: ASTM D6307-19, AASHTO T308-25

The Advance Asphalt Binder Analyzer by Ignition Method is designed for accurate and efficient determination of asphalt binder content in asphalt mixtures, which is essential for controlling Hot Mix Asphalt (HMA). Compared to conventional solvent extraction methods, the ignition method provides faster testing, cleaner operation, and a more environmentally friendly process without the use of hazardous solvents. Suitable for continuous testing in asphalt plants, laboratories, and highway quality control applications, this equipment offers reliable performance, high accuracy, and improved testing efficiency for modern road construction requirements.

Technical Specifications :

Model Number	NL 2002 X / 003
Maximum Sample Mass	3500 g, recommended sample mass: 1200 – 1800 g
Weight Resolution & Accuracy	0.1 g & 0.01%
Temperature Measurement Range & Resolution	0°C - 1000°C & 0.5°C
Maximum Combustion Chamber Operating Temperature	600°C
Combustion Chamber Dimension (mm)	350 (L) x 450 (W) x 370 (H)
Product Dimension (mm)	950 (L) x 920 (W) x 1350 (H)
Approx. Product Weight (kg)	210 kg
Packing Dimension (mm)	1100 (L) x 1100 (W) x 1500 (H)
Approx. Packing Weight (kg)	230 kg
Power	415 V, 9 kW, 31 A, 3 Ph, 50/60 Hz

Features:

- Large color touch LCD display with real-time temperature and loss curve monitoring
- User-friendly interface
- Optional automatic data storage and test result printing
- Automatic temperature control with door lock detection and safety auto power cut-off
- Equipped with an active smoke exhaust system
- Improved cabinet structure with low external surface temperature during continuous operation
- Supports up to 30 independent combustion program storage settings
- Stores up to 100 sets of test data
- Optional PC connection for data management and report printing
- External USB interface for direct export of test data in Excel format

Unit Consists Of :

Model Number	Parts Description	Qty
NL 2002 X / 002 – P 001	Sample Basket Tray Set (Top Cover, Upper Basket, Lower Basket & Base Tray)	1 set
NL 2002 X / 002 – P 002	Extraction Fork	1 no.
NL 2002 X / 002 – P 003	Extendable Ducting Hose (1 Meter)	1 no.
NL 2002 X / 002 – P 004	Face Shield	1 no.
NL 7037 X / 001	Heat Resistance (Asbestos)	1 pair
NL 7041 X / 006	Fine Wire Brush (Brass)	1 no.

Optional Accessories :

Model Number	Description
NL 2002 X / 001 - A001	Storage Compartment
NL TPR - 57	Thermo Paper Roll 57mm x 31mm Dia. (5 rolls / pack)



CONTROL PANEL



COMBUSTION CHAMBER



UNIT CONSISTS

