BITUMEN & ASPHALT Civil Engineering Testing Equipment

www.nl-test.com



TRAVELLING BEAM APPARATUS

Surface Irregularity

This apparatus is designed to measure road surface irregularities (such as bumps, depressions or unevenness) on both concrete and asphalt pavements.

It consists of a rigid beam supported by two fixed wheels at the ends and a central measuring wheel that detects vertical deviations from a straight reference line between the endpoints. As the device moves along the pavement, the central wheel indicates any vertical displacement, providing data on surface smoothness.

Applications:

- -Quality control in pavement construction.
- -Post-construction compliance testing.
- -Routine road maintenance assessments.

Technical Specifications:

Model Number	NL 2018 X / 001
Scalling	2 mm/div > for ±10 mm
	5 mm/div > for ±10 mm to ±25 mm
Max. Vertical Deviation	± 25 mm
Beam	3 metre
Dimension (mm)	3200 (L) x 780 (W) x 540 (H)
Approx. Weight	53 kg

^{*1} Copy of Manual Instruction

Copyright 2025 NL Scientific Instruments Sdn. Bhd. All Rights Reserved. Revision 1 (All information in this catalogue only for customer's reference and not for quotation. Design and dimension maybe change without prior notice.)