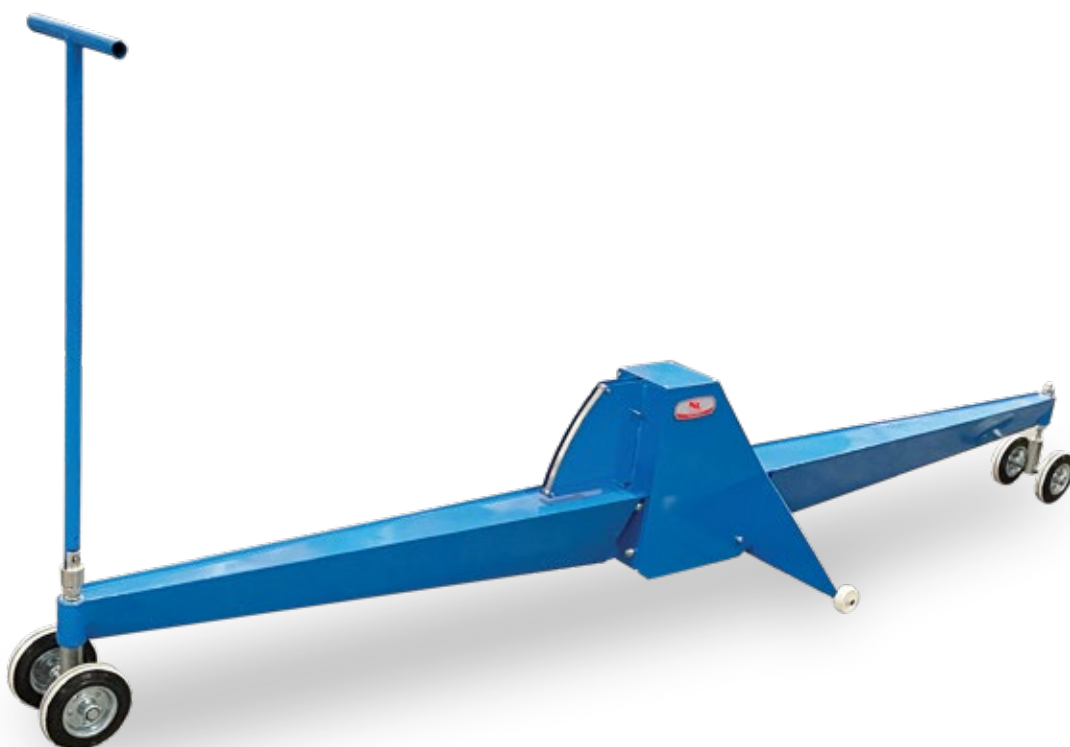




## TRAVELLING BEAM APPARATUS

### 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                                                         |
|-------------------------|-------------------------------------------------------------------------|
| Scaling                 | 2 mm/div > for $\pm 10$ mm<br>5 mm/div > for $\pm 10$ mm to $\pm 25$ mm |
| Max. Vertical Deviation | $\pm 25$ mm                                                             |
| Beam                    | 3 metre                                                                 |
| Dimension (mm)          | 3200 (L) x 780 (W) x 540 (H)                                            |
| Approx. Weight          | 53 kg                                                                   |

\*1 Copy of Manual Instruction