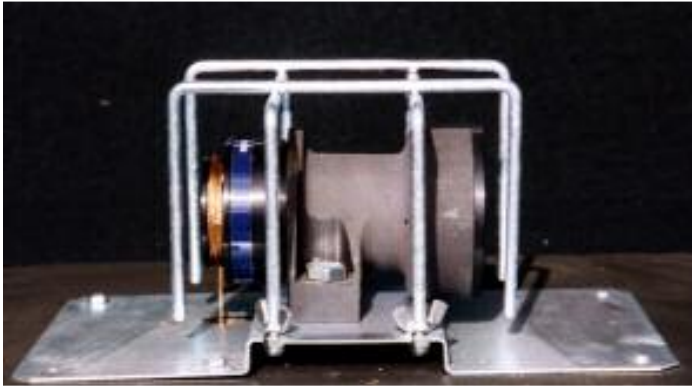


Bump Integrator Unit Mark III - Model A1471

The TRL Bump Integrator Unit Mark III is a Response Type Road Roughness Measurement System.

RTRRMS systems record the cumulative displacement of an axle relative to the body of the vehicle induced by the roughness of the road. The system consists of a vehicle - one with a solid, transverse back axle - fitted with a Bump Integrator and Counter which, together, are able to integrate and record the movement of the back axle as the vehicle passes along the road.

The Bump Integrator Unit, developed by the *UK Transport Research Laboratory (T.R.L.)* is in use throughout the world to provide effective means of monitoring road roughness over great distances.



Bump Integrator & Installation Kit



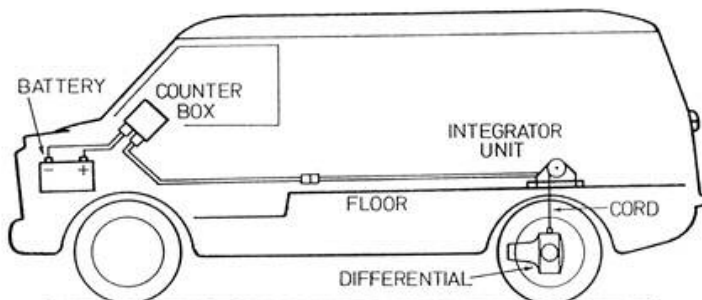
Counter Unit

Calibration

To achieve repeatable and comparable measurements it is essential that the Bump Integrator Unit is calibrated to the characteristics of the vehicle. CNS Farnell produces an instrument developed in conjunction with *T.R.L.*, which effectively and economically provides the means of surveying the road profile to achieve accurate calibration. Please ask for the MERLIN (Model A1460).

Optional Distance Measuring Odometer (Model A1478)

An accurate instrument to supplement the vehicle's own speedometer, fully computerised, displaying speed and distance measurements. **Please specify make and type of vehicle when ordering.**



Specifications

Bump Integrator Unit (A1471)
L13cm H9cm W11cm Weight 1.5kg

Counter Unit (A1473)
L19cm H6cm W11cm Weight 0.75kg

Installation Kit (A1475) Weight 1.5 kg