



**Construction Lasers, Survey & Safety Equipment**

### **THE HUDSONS HIGHWAY DEFECT GAUGE**

1. When setting up the gauge ensure that "Datum" printed on the vertical slider block is facing towards you.
2. Remove the vertical scale from the back of the foot slider and place it in the "Datum" block.
3. Slide the foot sliders to span the area to be measured and adjust the swivel foot to provide stability.
4. Measure the depression or crowning by taking the measurement from the top of the "Datum" block. To read off the one millimetre increments, after having made surface contact with the vertical beam it is easier to pick up the gauge to read the scale at eye level. For easy reference the NRSWA reinstatement widths and intervention limits are all shown.
5. The 10mm scale on the reverse of the vertical beam will give the best photographic definition. The NRSWA scale is too fine for this purpose.
6. The optional script board clips on to the horizontal scale. A dry marker pen should be used on this board and should be wiped off as soon as possible after use with a dry cloth or sponge. Any stubborn marks can, however, usually be removed by using a little white spirit on a cloth.
7. The "Datum" slider can be moved to the end of the horizontal beam in order to cantilever the vertical beam for measuring kerb height, channel depth or edge depressions.
8. Each gauge is set up individually and therefore the slide blocks should not be interchanged from one gauge to another.
9. Should the aluminium beams become damaged in use it is advisable to remove any burrs with either a fine file or emery paper to prevent damage to the plastic sliders