

# P8 Inspector's Gauge (P5020)

Track Measurement and Analysis

## Added Value

The P5020 Inspector's Gauge improves rail maintenance with electronic super-elevation (SE) measurements on an LCD, ensuring precise and efficient data collection.



The P8 Inspector's Gauge (P5020) is a lightweight, multipurpose track gauge that delivers accurate and repeatable measurements on plain line and in areas of switch and crossing.

Two P8 wheel profiles are fitted to the top face of the gauge for use where local standards require an additional visual inspection of the switch rail wear profile. The equipment can also be used to take mechanical measurements of track gauge, flangeway and check gauge. Super-elevation (SE) measurements are displayed electronically.

## → TECHNICAL FEATURES

### Non-conductive

Constructed from hardwearing GRP and nylon, the gauge is electrically non-conductive and will not interfere with the track signalling circuit. As a result, it can be used in areas of 3rd and 4th rail electrification.

### Imperial and metric

The P8 Inspector's Gauge is available in both imperial and metric versions for multiple track widths and can be provided with alternative wheel profiles.

### P8 wheel profiles

Two P8 wheel profiles have been fitted to the top of the gauge to aid the visual inspection of wear on the switch rail when the gauge is turned upside down.

### Electronic measurements

Super-elevation (SE) is measured electronically and is shown on an LCD display.

### Mechanical measurements

Track gauge, check gauge and flangeway are measured mechanically, with readings displayed on easy-to-read scales.

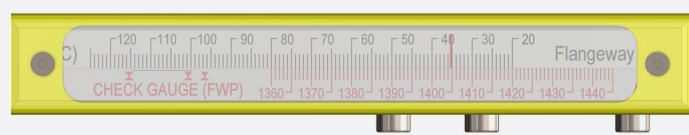
### Battery powered

The unit is powered by two standard 9V PP3 batteries and the battery life for average usage is 12 months. The batteries can be replaced by the operator as needed.

→ ADVANTAGES

- The equipment's sprung gauging foot, with all measurements displayed on the usable end of the gauge, ensures improved repeatability and accuracy of measurements, whilst minimising potential for user error.
- Because the gauge is made of electrically non-conductive GRP and nylon, it does not interfere with the track signalling circuit and can be used in areas of 3rd and 4th rail electrification.
- The gauge is versatile, capable of use to measure track gauge, check gauge and flangeway, as well as switch rail wear profile.
- The product can be used in a wide range of settings – there are versions for different track widths and alternative wheel profiles can be provided.
- The P8 Inspector's Gauge is extremely lightweight, weighing just over 3kg. This makes it easy to carry and transport to site.

→ TRACK GAUGE



→ SPECIFICATIONS

Technical specification	
Weight	3.2kg
Size	1660mm x 135mm x 150mm
Cant	Range: +/-199mm Accuracy: +/-1mm Resolution: 0.1mm
Gauge	Range: 1410mm to 1490mm Accuracy: +/-1mm Resolution: 1mm
Flangeway	Range: 40mm to 120mm Accuracy: +/-1mm Resolution: 1mm
Check gauge	Range: 1370mm to 1430mm Accuracy: +/-1mm Resolution: 1mm

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