

P8 Inspectors Gauge - P5020

Track Control Solutions

Adding Value

A lightweight and robust product delivers accurate and repeatable measurement.



The P5020 P8 Inspectors Gauge offers accurate and repeatable measurement performance, in a light-weight and robust design.

Abtus track gauges have been designed with a sprung gauging foot, with all measurements displayed on the useable end of the gauge, ensuring improved repeatability and accuracy of measurements, whilst minimising potential for user error.

Track Gauge, Check Gauge and Flangeway measurements on the P5020 are displayed on easy to read mechanical scales whilst Cant readings are displayed digitally.

Through the use of the two P8 wheel profiles the P5020 allows visual inspections of switch rail wear.

→ TECHNICAL FEATURES

User Advice

The P5000 series gauges are a piece of precision measurement equipment. Whilst it has been designed for use in an engineering environment due care should be taken not to cause damage to the equipment when in operation, storage or transit.

Every 3 Months

Visually inspect the P5020 series gauges for signs of damage. If necessary, contact your local distributor for help.

Annual

The P5020 series gauges must be returned annually for re-calibration to ensure measurements are within specification. The condition of all components will be checked at this time and replaced as required.

Replacing the PP3 Batteries

To replace the PP3 batteries, carefully remove the battery compartment from the front of the gauge as shown in Figure 7. Visually inspect the gasket for signs of wear/damage and replace if necessary.

Cant

To measure Cant, press the button located on the side of the gauge, a measurement will appear on the screen above. Wait for a few seconds before taking a reading to ensure that the gauge is settled.

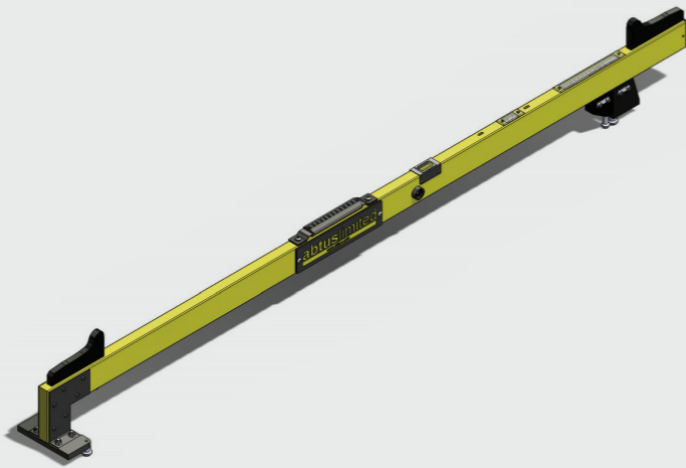
P8 Measurement

The P8 wheel profiles located on the upper face of the cross beam is to aid the visual inspection of the switch rail wear when the gauge is turned upside.

→ FUNCTIONALITY

- Track gauge or rail gauge is the distance between the inner sides of the heads of the two stock rails.
- Once the gauge has been positioned in the track, the Track Gauge reading can be read from the window.
- The flangeway measurement is the dimension between the running edge of the stock rail and the rear face of the adjacent switch rail
- Check gauge is the dimension between the rear face of an open switch and the running edge of the closed switch.
- Check Gauge (FWP) can be read from the same window as the flangeway and can be clearly seen on the bottom scale

→ TECHNICAL SPECIFICATIONS



Physical Specification	
Tracks concerned	train, tram or metro
Weight	3.2Kg
Size	1660mm x 135mm x 150mm
Cant	Range: +/- 199mm Accuracy: +/- 1mm Resolution: 0.1mm Expected battery life 12 months
Gauge	Range: 1410 – 1490mm Accuracy: +/- 1mm Resolution: 1mm
Flangeway	Range: 40 – 120mm Accuracy: +/- 1mm Resolution: 1mm
Check-Gauge	Range: 1370 – 1430mm Accuracy: +/- 1mm Resolution: 1mm

Manufactured by

