

Platform Gauge (P4050)

Track Control Solutions



Pandrol's Platform Gauge (P4050) is primarily used by inspectors to assess the positioning of station platforms. It enables a single operator to take measurements from the platform, without track possession. The gauge's open frame allows the operator to lower the tool onto the track from the platform and move it quickly should a train approach.

The Platform Gauge can be used to take accurate measurements of the offset of the platform from the track and the height of the platform in relation to the top of the rails. Measurements are taken using a sprung measurement stick; a self-positioning foot adjusts to any rail and side cut. Made from non-conductive glass-reinforced plastic (GRP) and nylon, Pandrol's Platform Gauge can be used safely on any type of rail.

→ TECHNICAL FEATURES

Open frame

The Platform Gauge's unique open frame allows the operator to lower it onto the track from the platform and move it away quickly in the event of a train.

Sprung measurement stick

Measurements are taken using a sprung measurement stick – platform edge to running edge measurements from 660–920mm; platform height measurements from 760–1080mm.

Self-positioning arm

The offset of the platform from the track is measured in both horizontal and vertical planes using a self-positioning arm.

Self-positioning foot

The gauge has a self-positioning foot that will adjust to any rail and side cut. A 'claw' foot sits on the closest rail, while a flat foot is located on the furthest rail. The opposite rail is referenced to give cant adjustment.

Calibration

Pandrol's Platform Gauge is factory calibrated for guaranteed accuracy.

Flexibility

The gauge is made from electrically non-conductive GRP and nylon 6 and can be used with a wide range of rail types, including raised check and conductor rails.

Portability

The Platform Gauge weighs less than 5kg, folds to almost half its working length and comes with a bag for ease of transportation.

→ ADVANTAGES

- The Platform Gauge's factory calibration and ease of adjustability ensure accurate measurements of both horizontal and vertical offset.
- This accuracy is enhanced by referencing the opposite rail, allowing for adjustments for canted track.
- The gauge can be used from the platform and moved off the track quickly – unlike other tools, no track possession is needed.
- Ease of use and compact size enable the tool to be used efficiently by a single operator, saving on labour costs.
- The Platform Gauge's non-conductive, adjustable construction means that it can be used on a wide range of rail types.
- The gauge is lightweight and folds to almost half its working length in under a minute, making it easy to transport and set up.



→ COMPONENTS

- Open frame
- Self-positioning arm
- Self-positioning foot
- Sprung measurement stick
- Holding point for the gauge

→ SPECIFICATIONS

Technical specification	
Weight	4.7kg
Size (folded)	1900mm x 400mm x 400mm
Horizontal offset measurement	660–920mm
Vertical offset measurement	760–1080mm
Accuracy	+/-2mm (horizontally and vertically)

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