



TRACK GEOMETRY

ABT4505 Data Logging Switch Gauge

Description

The ABT4505 Data-Logging Switch Gauge has been developed for the electronic capture of geometry data within the Switch & Crossing area.

The operator positions the gauge on the track as per the directions of a pre-formatted measurement regime displayed on the supplied hand held PDA.

Subsequent geometry data is sent from the gauge via a wireless connection where it is displayed on the screen of the PDA.

Technical Data

Weight	-	2.5kg
Size	-	1500mm x 300mm x 200mm (gauge only)
Super-Elevation	-	Range: ± 200 Accuracy: 1.2mm Resolution: 0.1
Running Gauge	-	Range: 1315>1465 Accuracy: ± 0.75 Resolution: 0.1
Check Rail Gauge	-	Range: 1290>1440 Accuracy: ± 0.75 Resolution: 0.1
Flangeway	-	Range: 22>175* Accuracy: ± 0.75 mm Resolution: 0.1

*Depending on track/check gauge.



Features

The Abtus software allows the user to create and edit numerous switch & crossing measurement regimes, for different types of switches and standards worldwide.

All recordings are stored on the PDA on a SD memory card as a .CSV (comma separated variable) file for immediate download & review on most PC spreadsheets applications.

The Equipment comprises of a lightweight GRP & nylon track gauge, hand-held PDA including Abtus software and associated chargers.

