

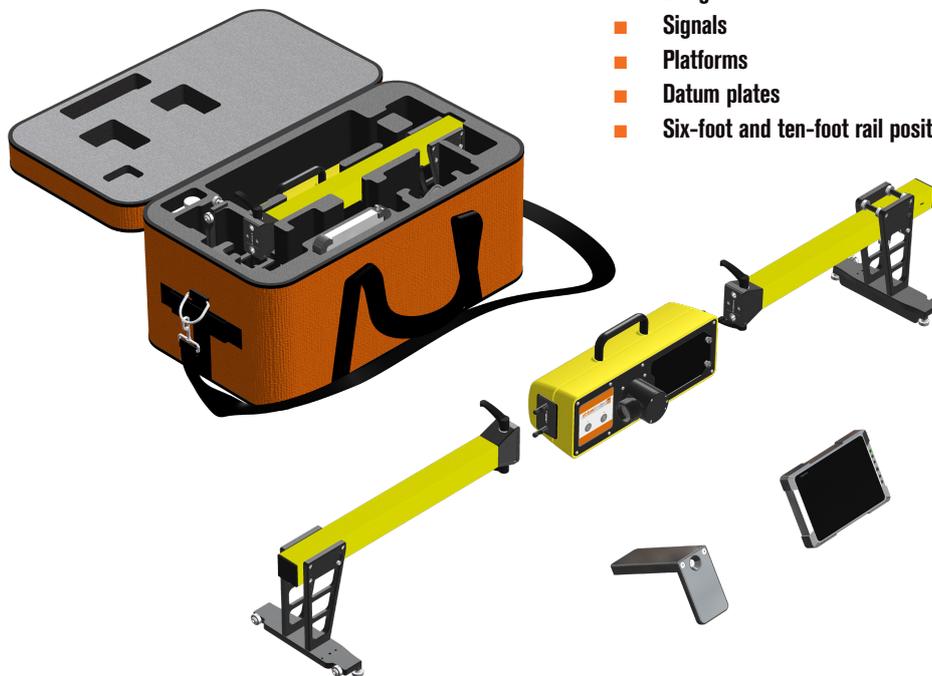


The Abtus ABT5650 RouteScan provides quick and accurate structure clearance measurements relative to the Permanent Way through the use of 2D laser scanning technology.

The unit is lightweight, electrically non-conductive and easily transported making it the ideal tool for a highly time pressured rail environment. The two legs detach easily from the body, allowing the whole kit to be stowed in two small carry bags.

System Capabilities

- Tunnels
- Bridges
- Signals
- Platforms
- Datum plates
- Six-foot and ten-foot rail positions

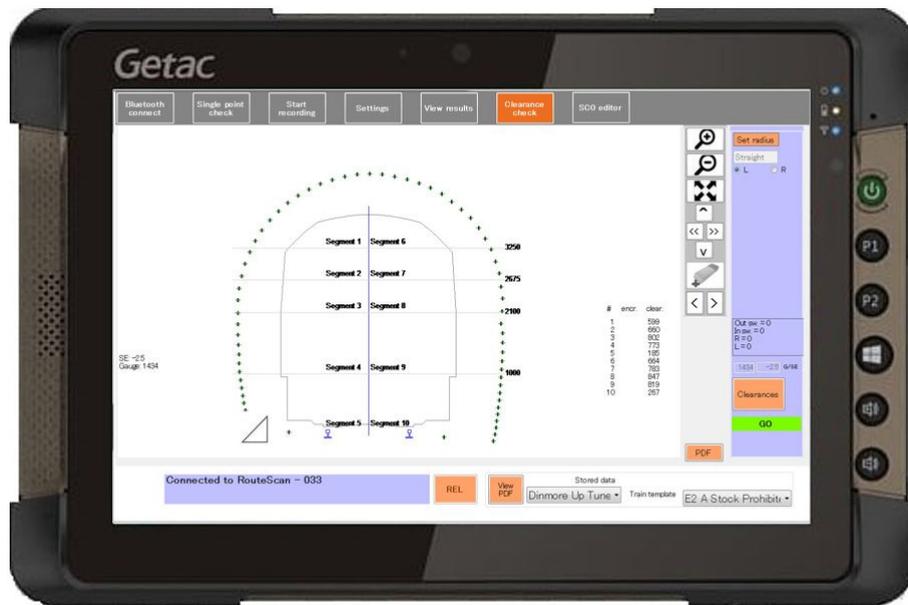


Bluetooth communication allows operation of the device from a position of safety offering significant benefits over more traditional gauging methods. The battery indicator button can alert the user of the remaining charge and the battery can be removed/swapped by accessing the front panel via the thumb screws. This allows for prolonged use of the RouteScan during long shifts.

The ABT5650 measures X/Y coordinates as single points or full profile scans, referenced to the running edge of the datum rail. The RouteScan also provides the user with accurate track gauge and SE readings whilst the sprung gauging foot ensures repeatability of positioning and measurement.



As standard the ABT5650 is provided with a fully rugged windows 10 tablet and Abtus Gauge Interface Software allowing single point and pro file scanning. Through extensive development with existing RouteScan customers, Abtus can also supply bespoke clearance software allowing the user to review interference between the scanned structure and a train pro file whilst taking into consideration cant and track radius.



Physical Specification

Weight	-	13.6kg	Size	-	1655mm x 315mm x 265mm
Gauge	-	Range: -25mm/+50mm (nominal 1435mm) Accuracy: ± 1mm Resolution: 1mm	Angular	-	Range: 0 - 360° Accuracy: ± 0.09°
Cant	-	Range: ± 200mm Accuracy: ± 1mm Resolution: 0.1mm	Laser	-	Range: 0.2 - 15m Accuracy: ± 1mm per metre Resolution: 1mm
Battery Type	-	Removable Lithium Ion Battery Charge time : 2-3 hours Run time: 6 hours (per battery)	File Types	-	CSV SCO SCN