Overhead Line　　　**ABT8000 – Data Logging Laser Height & Stagger**

The ABT8000 Data Logging Laser Height & Stagger Gauge is a light-weight gauge that allows the user to safely take Height & Stagger measurements of Over Head Line using laser technology as well as the ability to log and store data directly to a mobile device.

As with all Abtus measurement gauges, the ABT8000 is manufactured from hard wearing and nonconductive GRP and offers a sprung foot ensuring improved user friendliness, repeatability and accuracy of measurements.

The ABT8000 also features a built-in display which can show the recorded readings and a downloadble application for smart phones. This application is able to connect to the gauge using wireless techonology and can save post processing time back at the office. The gauge can additionally measure Super-Elevation (SE), Rail Edge to Face of Structure (REFOS), temperature and GPS location. The results are automatically populated into customer specified templates (for example: TRAMS HS sheet)

A key feature of the ABT8000 is the ability for the user to quickly and accurately take measurements from a standing position. This both helps to reduce time on track and minimises user fatigue by reducing the repetitive bending motions experienced with other measurement products. Provided with an Abtus protective bag the ABT8000 is easy to carry to and from site and through the simple folding mechanism requires minimal set-up time prior to use.

Features

- Fully Insulated
- Built-in Laser and Digital Display
- Rail Edge to Face of Structure (REFOS)
- GPS Tagging of OHL recording
- Dedicated Data Logging Smart Phone App
- Padded Carry Bag
- Available for Track Gauges 1435mm and 1600mm

Technical Specification (Nominal 1435mm)
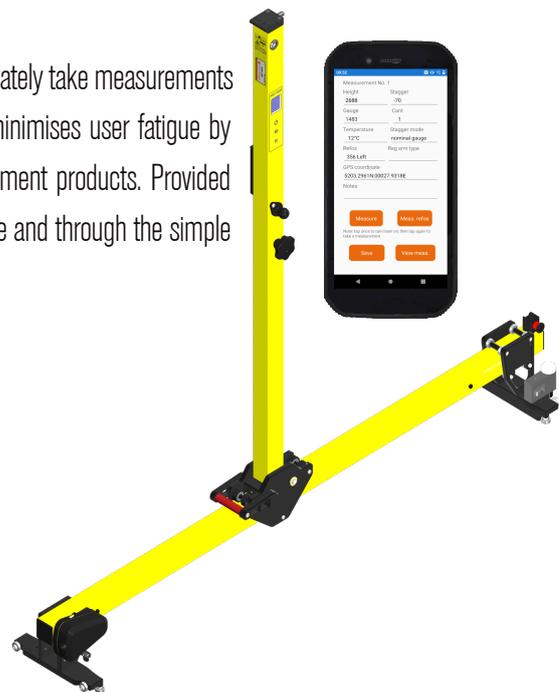
Weight	-	11 kg	GPS	-	Expected Accuracy : 2.5m CEP
Size	-	1620mm x 1450mm x 260mm (in use)	Cable Stagger	-	Range: -520mm to +520mm
	-	1620mm x 245mm x 256mm (folded)		-	Accuracy: ± 5mm (STD2)
				-	Resolution: ± 1mm
Cant	-	Range: ± 200mm			
	-	Accuracy: ± 1mm	Cable Height	-	Range: 2 – 100m
	-	Resolution: 1mm		-	Accuracy: ± 2mm @ 5m
				-	Resolution: 1mm