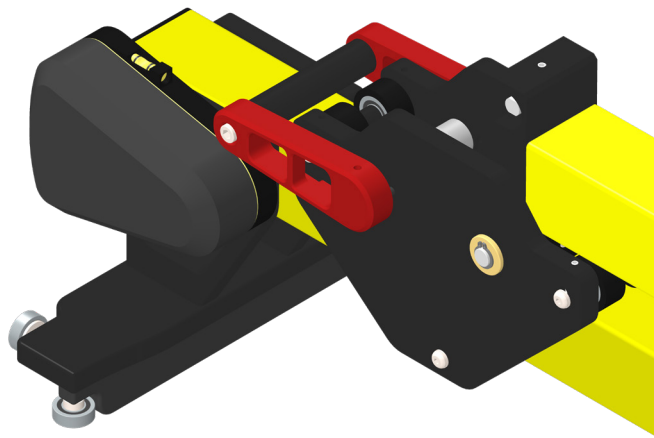
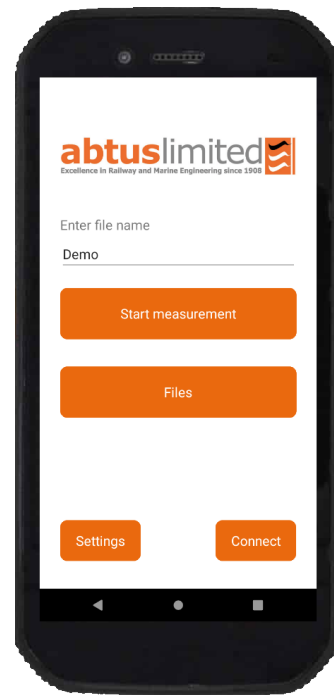




Vertical Beam locking handle allows the user to assemble and disassemble the gauge much faster than the ABT4640.



The DLHS android app can be used to view and send recorded files via email or USB wired connection.

Physical Specification

Weight	- 11kg	Temperature	- -20° to +50°C
Dimensions	- Folded :1616mm x262mm x245mm Raised:1616mm x1450mm x245mm	Battery Life	- 8hrs per full charge

Measurement Specification

Cable	- Range: $\pm 520\text{mm}$	Cable Height	- Range: 2m to 100m
Stagger	Accuracy: $\pm 5\text{mm}$ @ 5m Resolution: 1mm	& REFOS	Accuracy: $\pm 2\text{mm}$ Resolution: 1mm
Gauge	- Range: -25mm to +50mm Accuracy: $\pm 1\text{mm}$ Resolution: 1mm	SE	- Range: $\pm 200\text{mm}$ Accuracy: $\pm 1\text{mm}$ Resolution: 1mm
GPS	- Expected Accuracy: 2.5m		



Overhead Line

ABT8000

Data Logging Height & Stagger Gauge



Data Logging Height & Stagger Gauge

The ABT8000 is a further development of the ABT4640 Laser Height & Stagger gauge. This next generation model will give the user the ability to log and store data directly to an android device, saving post processing time back at the office.

The ABT8000 'DLHS' also features a removable REFOS laser unit which can be attached magnetically to either end of the gauge. In addition the DLHS app is able to record GPS location, temperature and the remaining battery charge of the gauge.

The ABT8000 can be used in conjunction with the new Abtus App or simply used as a digital recording gauge. Measuring Capabilities include, Cable Height, Cable Stagger, Gauge, Cant (S/E), and REFOS.

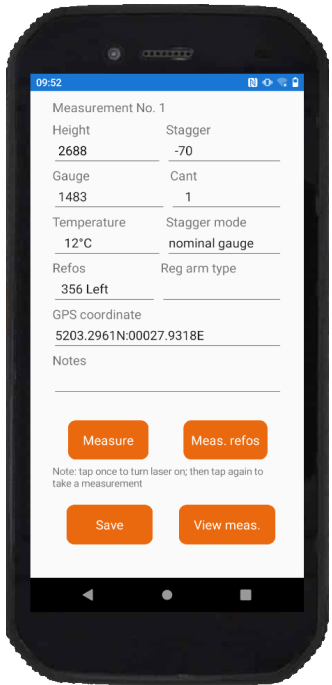
System Capabilities

- Built in viewfinder
- User swappable rechargeable battery pack
- Available for track gauges of 1435mm and 1600mm
- .csv data can be viewed and emailed from android device
- Digital Data Logging - DLHS app available on any android device
- Automatically populates recorded measurements into custom user templates
- GPS tagging of OHL recordings enables future recordings in the same location

The ABT8000 can be controlled using the built-in buttons (M for OHL laser measurements and R for REFOS) on the vertical beam and the results can be viewed on the illuminated LCD screen.

The vertical beam features a built-in laser unit and view finder enabling the operator to easily set the laser location marker onto the OHL in all weather conditions including bright sunshine.

Exportable reports can be accessed by clicking on the 'View meas.' button providing the user with results for review on the android device and can be emailed from site.





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 downloadable application for smart phones. This application is able to connect to the gauge using wireless technology 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: ± 5 mm (STD2)
				-	Resolution: ± 1 mm
Cant	-	Range: ± 200 mm	Cable Height	-	Range: 2 – 100m
	-	Accuracy: ± 1 mm		-	Accuracy: ± 2 mm @ 5m
	-	Resolution: 1mm		-	Resolution: 1mm

