

PROFISPECT - W

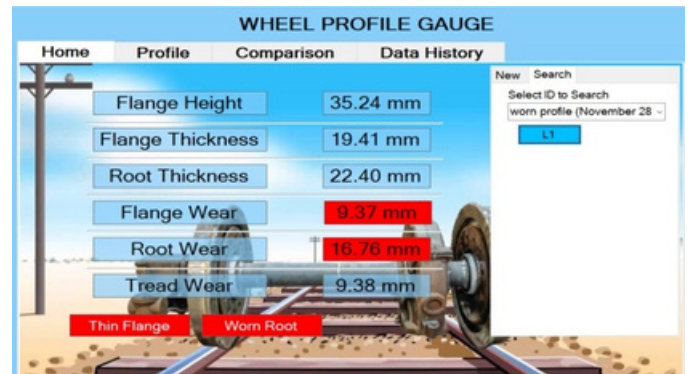
Laser rail wheel profile gauge for Automatic profile measurement of Rail with storage facility.

Electronica's wheel Profile gauge brings to you an easy to handle and easy to use, compact automated laser system to measure rail wheel profile parameters precisely.




It eliminates inaccuracies & traditional methods of matching profile templates with wheel profiles with no human errors.

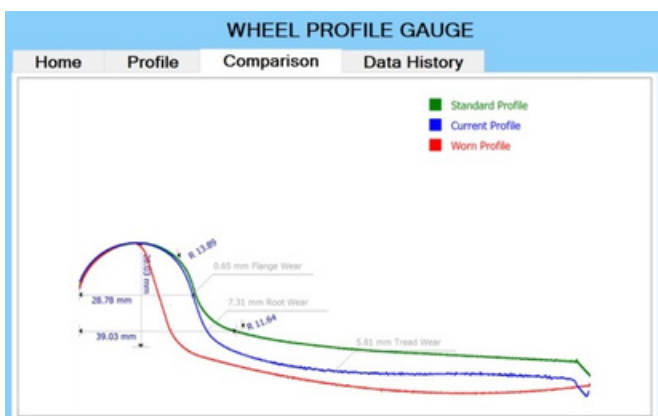
Measurements can be taken on open wheel as well as in SITU condition, it simply requires to put gauge on the wheel profile, and precise profile data is available within seconds and result data can be transferred to wireless tablet.






The gauge is equipped with an automated laser system to get precise geometry of wheel profile for parameters like Flange width, Flange height, Root wear and tread wear.



Prominent Features: -

-  Light weight Portable, suitable for single person to take wheel measurements
-  Suitable for measurement in SITU condition as well as for open wheels.
-  Facility to find defects like Sharp flange, Thin flange, worn root etc. w.r.t respective wheel



-  Wear limit can be set as per requirement of use
-  Unlimited Storage with date & time on wireless Tablet
-  Comparisons between actual and standard profile measurements.
-  Supplied with high PP Carry Case.
-  Available Technical Support in all Zones of Indian Railways.

Technical Specifications:-

Model	PROFISPECT - W
Profile measurement range, mm	133
Measuring Scheme	The Gauge is equipped with an automated laser system to get precise geometry of wheel profile.
Accuracy	± 0.08mm
Flange Height, mm	20...45
Flange Thickness, mm	20...50
Root Thickness, mm	20...60
Flange Wear, mm	00...35
Flange Slope, mm	01...15
Discreteness of the profile formation, not worse than	0.018 mm (7500 points for profile)
Measurement time, In sec.	Adaptive, Depending on surface quality, 16 sec. Average.
Display of results	Display Results on wireless Tablet with scanning software.
Protection class	IP65
Result Analysis	Result of scanned rail profiles can be compared with respective standard Rail profile to check deviation between current & standard profiles.
Standard profile Input facility	Facility to input standard wheel profile by scanning actual standard & worn wheel profiles.
Power Supply of gauge	16.8V (on full charge), Li-ion battery 2400mAh - with charger
Working temperature range, °C	0°C to +50°C
Software feature	Export measure profile to CAD software
Interface between Laser profile gauge and Tablet	Bluetooth
Wireless Data storage facility	Unlimited results storage along with result Export facility on High end wireless tablet/laptop.

Our other Digital Measurement Instruments for Rail wheel Inspection



Linspect - W



Diaspect - W