



## DIASPECT - W

3 point contact gauge for "AUTOMATIC DIAMETER MEASUREMENT" of rail wheel

Electronica's 3 point diameter gauge brings to you an easy to handle and easy to use, compact and lightweight gauge that measures diameter of railway wheel accurately within  $\pm 0.2$  mm. This gauge saves you the trouble of having separate the wheel set from bogie. It simply requires you to touch its three points on the wheel outer circle, and an accurate reading is immediately available within milliseconds. What's more, you can also transfer the reading to Tablet wirelessly !

The gauge is equipped with bright LED display for use in dark inspection pits. It is powered by integrated rechargeable battery and Type C USB charger in the kit.



**FrontView**

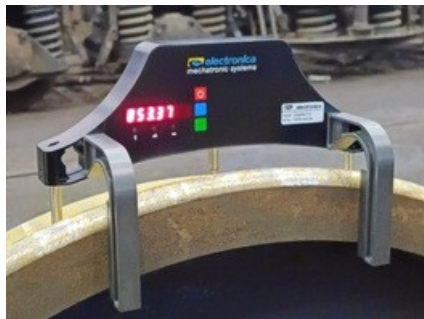


**Bottom View**

### Prominent Features:-

- Light Weight, Portable, Suitable for single person operation
- Wireless connectivity
- Can store unlimited number of readings
- Measurement with averaging facility
- Display of current and averaged diameter
- Works with Android based Tablet with pre loaded software.
- Can store results along with user parameters such as Wheel ID, date & time
- Data export in CSV format for easy storage and further connectivity to user applications
- PAN India support is available for calibration

<b>Diameter Range</b>	600 mm to 1400 mm
<b>Accuracy</b>	± 0.2 mm
<b>Resolution</b>	0.001mm/0.01 mm / 0.1 mm, (As per User requirement)
<b>Measurement at a Distance from Edge</b>	63.5 mm
<b>Distance between axes of ball base</b>	250 0.5 ± mm
<b>Display</b>	7 Segment LED Display (Width 44mm X Height 12mm), as well as on wireless display of tablet.
<b>Weight</b>	750 gm. ( Approx.)
<b>Power</b>	4.2V Li- Ion Battery (Type C USB with battery charger provided with device.)
<b>Operating Temperature</b>	-10°C to 60 °C
<b>Operating humidity</b>	15 - 85% (no condensation)
<b>Data Storage</b>	1. 100 reading stored in internal memory. 2. Wireless data transmission along with Tablet which provide unlimited capacity of data storage. (Optional)
<b>Measurement Scheme</b>	3 Points measurement of wheel curve using Linear Encoder.
<b>Carry Case</b>	High impact PP
<b>Functionality</b>	Measurement of wheel diameter is possible for loose wheelset as well as without dismantling wheelset from wagon, carriage or locos



## Our other Digital Measurement Instruments for Rail wheel Inspection



Linspect - W



Profispect - W