LINSPECT - HS PLUS

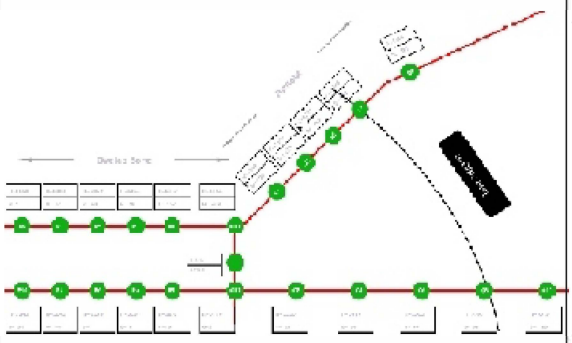
Camera based and Non-contact laser technology Live Line Monitoring gauge supported with Android App for Height and Stagger measurement of railway overhead catenary wire (OHL)

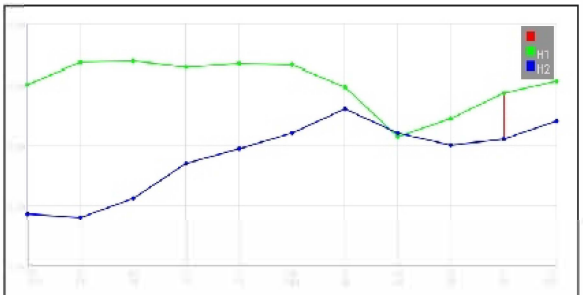
Electronica's Live Line Monitoring Gauge with android application has been developed to to map the layout of Turnouts, Crossover and overlaps through contactless mechanism using Camera and laser based technology without taking power blocks.

The contact wire position is located using a camera, and height is measured by a laser distance sensor. Stagger is read by an encoder and digitally displayed on an LED screen at the position of height measurement. The gauge is equipped with a digital inclinometer/level measurement system, which shows the tilt of the track in degrees and the value of cant in mm.

A key feature is to display height and stagger analysis graph on wireless device. Also the eliminates the need for Traffic and Power blocks during operation.

Laser point on OHL


Turnout Graph


Height Graph

Prominent Features:

- Light weight Portable, suitable for single person to take measurements
- Locate laser points on contact and catenary wires easily using a camera for height measurement in sunlight.
- The design is rugged, sturdy, and fully insulated.
- Unlimited Storage with date & time on Mobile Phone.
- Supplied with water proof, light weight Carrier Case.
- Available Technical Support in all Zones of Indian Railways
- Gauge sends information on height, implantation, stagger and cant readings to user and authorities through the SMS facility.

Technical Specifications:-

Model	LINSPECT-HS PLUS
Measuring Scheme	The Gauge is equipped with an automated laser and encoder system to get precise reading of height & stagger.
Cable Height Measurement Range Laser Accuracy Resolution	 0.2 m to 20 m ± 1 mm 1 mm
Cable Stagger Measurement Range Stagger Accuracy Resolution	 ± 520 mm ± 10 mm (at 5m Height) 1 mm
Cant/Super-Elevation Measurement Range Accuracy Resolution	 ± 200 mm ± 2 mm 0.1 mm
Implantation Range Laser Accuracy Resolution	 Up to20 m ± 1 mm 1 mm
Display	Results are shown digitally.
Power Supply of gauge	16.8V (on full charge), Li-ion battery 2400mAh - with charger
Working temperature range, °C	-20°C to +50°C
Weight	10Kg Approx

Our other Digital Measurement Instruments for Rail wheel Inspection

Linspect - W

Diaspect - W

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