



OHE Height and Stagger Gauge

www.pujaraengineers.com



OHE Height and Stagger Gauge

Fast & Safe OHE Measurements

1. Accurate Laser Based OHE Height Measurement System
2. Easy and swift Direct Stagger Measurement
3. Accurate Cant/Super-Elevation Measurement System
4. Supports accurate Implantation Measurement

Modular Design with Detachable Laser Module

Vertical Leg and laser distance meter can be mounted and unmounted as and when required, supporting manageable and safe leading / handling.

IP-65 Certified - Environment Protection

Electronic parts of the equipment are sealed to protect the device from dust and rain water. Device is splash & dust proof, certified for IP-65 protection class.

Fully Insulated Rail Seat

Equipment is made insulated with stainless steel rail seats moulded with PU hence perfectly safe to use on circuited track.

Daytime Working Support

Easy and quick daytime working is made practical with viewfinder and backlit display. Device can be comfortably used in bright sunlight conditions

One Man Operation - from Standing Position

Ergonomically Designed for one man operation. Enables quick measurements from standing position without causing fatigue.

Other Height and Distance Measurements

Equipment can be efficiently used for Height Measurement of any over-passing structure i.e., flyovers, bridges, Foot over bridges, buildings, transmission lines etc, from rail level.

Rugged and Sturdy Design

Stainless Steel and Aluminium Construction makes it strong, wear resistant & zero rusting built, most suitable for harsh working conditions on tracks.

No Power Block Required

Laser based distance measurements and Electromagnetically shielded electronic parts make the equipment perfectly usable under EMI, it does not require power block. Equipment is easily and quickly off-trackable.



PATENTED DESIGN

Design Patent No.: 382734-001

DELINEATION

Model No.: PE/OHEHSG/4G

Rail Profile : 60 kg UIC or 52 kg IRS

Track Gauge : Broad Gauge - 1676mm or
Standard Gauge - 1435 mm

Calibration : Pre-Calibrated (Validity 1Year)
for Distance, Stagger & Cant.

Weight : 9.9 Kg (Approx)

Height Measurement

Range : 2 m to 100 m

Accuracy : ± 3 mm

Resolution : 1 mm

Stagger Measurement

Range : ± 550 mm

Accuracy : ± 10 mm (at 5m height)

Resolution : 1 mm

Cant / Super-Elevation Measurement

Range : ± 200 mm

Accuracy : ± 2 mm

Resolution : 0.1 mm

Implantation Measurement

Range : Up to 100 Meters

Accuracy : ± 3 mm

Resolution : 1 mm

General

Weight : 9.9 kg (Approx)

Protection : IP-65 Certified - Electronic Parts

Insulation : 2mm Polyurethane on Rail Seat

Packing : Light Weight Carry Bag/Case

Pujara Engineers' OHE Height and Stagger Gauge is very easy, safe and fast to use instrument, equipped with Laser Distance meter which can work in bright daylight. Height is measured by Laser distance meter and is digitally displayed on LCD screen while stagger is read on a physical scale on the body of instrument, at the position of height measurement.

Instrument is equipped with digital inclinometer/level and digital super-elevation/cant measurement system which shows the tilt of track in degrees and value of cant in mm.

OHE Height and Stagger Gauge is capable of accurately measure implantation and supports other height-distance measurements.

The most prominent feature of this instrument is to quickly take measurements from a standing position reducing the fatigue caused by repeated bending motion.

Instrument is extensively used by Zonal Indian Railways, DFCC and their respective contractors.

Pujara Engineers' OHE Height and Stagger Gauge has evolved over a period of nine years and now being manufactured in its 4th major design refinement. Equipment is totally indigenously developed, designed, and engineered, contributing to make-in-India initiative, and cruising towards self-reliant INDIA.

OHE Height & Stagger Gauge :: Existing Clients



Let's Say **NO** to:

- Unsafe Practices
- Slow Methods
- Conventional Ways



Download Brochure

Brochure: Version 4.9, Jul-2025

Disclaimer: Specifications are at sole discretion of manufacturer, and are subject to change without any prior notification.



Organisation Registered at:



PUJARA ENGINEERS

(An ISO 9001:2015 Certified Company)
E110, Taliwalan, Street No.10
Anand Parbat Industrial Area,
New Delhi-110005, INDIA

+91 99902 32220 , +91 11 4756 1298
business@pujaraengineers.com
www.pujaraengineers.com

...Cruising towards Aatm-Nirbhar Bharat 