

Toe Load Measuring Device - Electronic

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Electronic Toe Load Measuring Device

Highly Improved Toe Lifting Clamp

Our Toe Lifting Clamp is highly designed and hence long lasting. It is one major distinguishing feature which makes this equipment stand above all.

Equipped with Double Battery

Electronic load cell and display is equipped with double battery to support uninterrupted long working hours.

IP-65 Environment Protection

Electronic load cell and display unit is sealed to protect the device from dust and rain water. Device conforms to IP-65 protection class, hence making it splash & dust proof.

Modular and Universal Design

Machine is based on modular design and is capable of being used on many types of fastening systems by just changing the toe lifting clamp module. It is universal in application, as same machine can be used on ballasted track and ballast-less track.

Corrosion Resistant Long-Life Construction

Stainless Steel body and Aluminium enclosure of electronics offers very high life-span to mechanical and electronic parts resulting negligible rusting or wear & tear.

Fast and Accurate Measurements

Modular design make swift measurement possible. Electronic load is way too advanced enabling very accurate measurements.

Day & Night Working

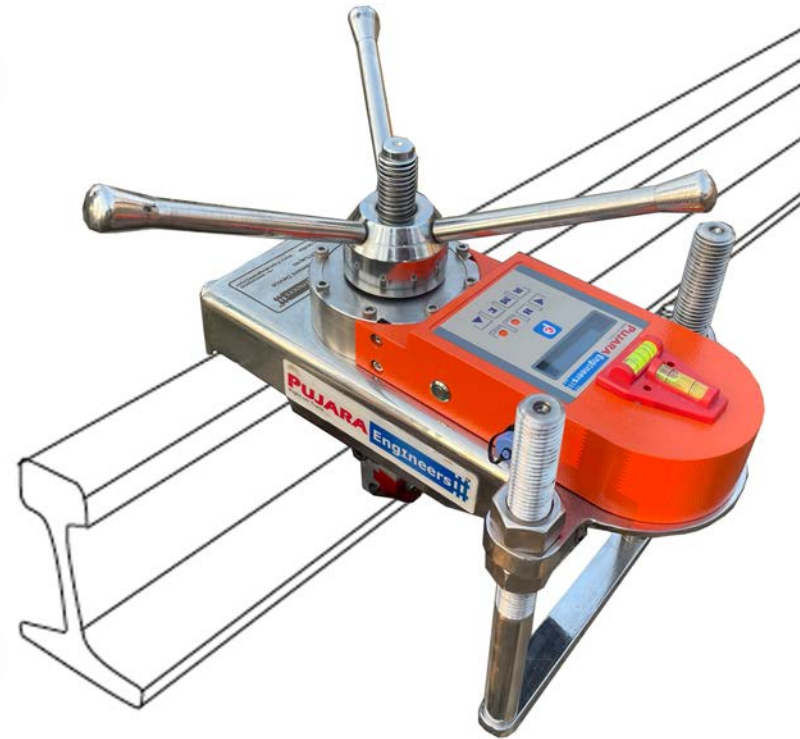
Back-lit display make the device comfortably usable in low/no light and very bright light conditions.

Dual Force Unit Mode - kgf and KN

Device support display of measured force in two units, either in kgf or KN. However it can be calibrated in one primary force unit only.

Low Fatigue Operation

Larger and original bearings make it a low fatigue device. Operators stay comfortable, even during long working hours.



Technical Specifications

Model No.: PE/ETLM/4G

Rail Profile : 60 kg UIC or 52 kg IRS

Load Measurement : Upto 2000 kgf / 20 KN

Rail Fastening System : ERC Mk-III, ERC Mk-V
and many other systems i. e.
Pandrol Rail Clips, Vossloh
Tension Clamps etc.

Weight : 11 Kg (Approx)

Supplied with Calibration Certification from NABL Accredited Lab

Toe Load Measurement Device - Specifications

Integrated Electronic Load-cell & Digital Display Unit

Load Capacity	: 20 KN / 2000 kgf
Digital Display	: Alphanumeric Back-lit Type
Enclosure	: Sealed AL Casing
Protection Class	: IP-65 Environment Protection
Operating Temperature	: -20 to +80 °C
System Accuracy	: $\pm 0.1\%$ of Rated Capacity
Resolution	: ± 1 kg or ± 0.01 KN
Calibration	: Software Calibration (10 points)
Load Cell	: Stainless Steel - Aerospace Grade
Battery	: Li-I Double Battery Pack - Rechargeable
Hold Facility	: Observed Load Hold Feature
Force Units	: kgf or KN (Switchable)
Connectors & Switches	: Industrial Grade

Body and Construction

Toe Lifting Clamp	: Highly Designed & Long Lasting (Interchangeable for many fastening systems)
Body	: Strong Box-Type Design, Fabricated with Stainless Steel (304 Grade)
Height Adjusting Legs	: Rugged Bolts with 22 mm Dia., Quick operating with check-nuts
Counter Legs	: For proper storage, handling & extra support
Tri-rod Handle	: Graded Steel Construction with Double Bearing
Lifting Bolt	: Graded Steel Monolithic Body
Weight	: 11 kg
Spirit Level	: High Precision 2-Vial

Packaging

Packing	: Light Weight Carry Bag/Case
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Registered Organisation



PUJARA ENGINEERS

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