

## **LAKSHMI BRAND ELECTRONIC TOE LOAD MEASURING DEVICE**

**Specification no: TM/SM/ELTMD/218 Rev. 01 of 2003**

**INTRODUCTION:** - Electronic Toe Load Measuring Device is an efficient tool in the hands of Permanent Way Engineers to determine the actual toe load of any Elastic Rail Clip. This Unit gives direct reading of the toe load in terms of Kilograms on its alphanumeric LCD Display. The whole unit is Safe to Handle, compact, rugged, and its light weight is an additional advantage over its Mechanical Counterpart. The device is provided with a Spring Loaded Gap Sensing Device which automatically freezes the required peak value of the toe. A set of Link Hanger, Balancing Legs, and Thrust Bearing & Tongs is provided for pulling the Clip in a uniform and balanced manner. Only 4-5 minutes time is required for installation of device on track, Measurement of reading and removal of device from the line.

### **TECHNICAL DATA:**

1. Capacity of Load Cell -: 2000K.g
2. Type of Load Cell -: Compression Type / Stainless Steel
3. Accuracy -:  $\pm 20$ K.g
4. Operating Voltage -: 5.5V to 5.65V
5. Resolution -: 1.0K.g
6. Display -: 16 character alpha numeric LCD display
7. Sensitivity -: Fast return to zero
8. Calibration -: Micro controller based auto calibration

### **ISOMETRIC DRAWING OF COMPLETE UNIT IN ASSEMBLED POSITION**

