

TR150 Crane Scale



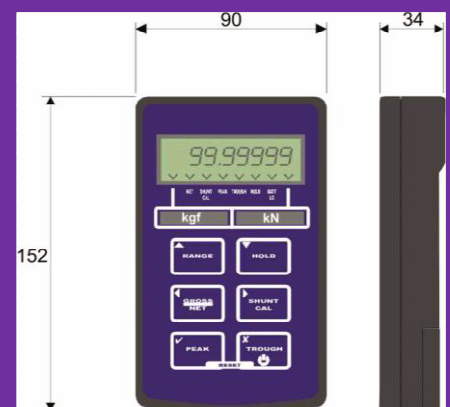
The TR150 display unit is a completely portable, precision instrument packaged in a small, robust IP65 (NEMA 4) enclosure, weighing only 260 grams. The TR150 accepts an input range of up to 50mV/V.

For simplified use, the operator only has access to six keys; on/off, gross/net, peak, trough, hold and shunt cal. Annunciators on the display give a constant indication of the operating mode of the TR150.

The TR150 features an innovative power saving facility which, when enabled can offer up to 450 hours of battery life with a 350 ohm bridge connected. In normal power mode up to 45 hours battery life is achieved with a 350 ohm bridge. The TR150 also incorporates an auto power off facility, which can be set during configuration in 1 minute increments up to 99 minutes, or it can be disabled so that the instrument is powered on until the off key is depressed.

The TR150 is supplied with a leather carry case, which enables the full operation of the indicator whilst fitted in the case.

Mechanical Dimensions All dimensions in millimeters



Features

- Powered by 2 Internal AA Alkaline Batteries
- Handheld and portable.
- Environmentally sealed to IP65 (NEMA 4)
- 7½ digit LCD display, with battery low, peak, trough, net, shunt calibration indication.
- Tactile keyboard, with dual range selection, peak/valley hold, gross/net, shunt calibration and on/off controls.
- Dual Range Facility.
- Battery life of 450 hours in low power mode, with 350ohm bridge connected.
- Auto Sleep facility which can be set to suit or disabled.
- RS232 Output Option Available

More information

Certificate of Test and Examination
Sertifikaat van Toets en Ondersoek

Top Certificate Number: 103776
Date of Test: 18th January 2012

Description: 1 ONLY TR150 20TON CRANE SCALE

Regularity No. or Marks	Actual Reading	Actual Reading	Proofing
St	5,001	10t	14,88t
10t	9,57t	20t	19,88t

Date: 18th January 2012
Signature: [Handwritten Signature]

Supplier to: ELEC-MECH (PTY) LIMITED
P O BOX 7704
RANDSBURG
2125

Customer Order No.: 100
Date Supplied: 13th October 2011

Supplier's Reference No.: 116648

Calibration of the TR150

The TR150 Crane scale is calibrated once a year to ensure accuracy of the load. The following two options are available:

1. The scale is calibrated using four test points as seen on the certificate on the left. This is a less expensive method of calibration. A certificate of test & examination is supplied.
2. The scale is calibrated by CSIR, with extensive testing done, and using numerous test points. The CSIR calibration is more costly, yet the test & examination process is more thorough and extensive. A CSIR certificate is supplied upon successful calibration.

(Please enquire about calibration pricing)



The TR150 display can be coupled with any size or type of load cell and is calibrated accordingly. The normal range of loadcells used is between 2 tons and 20 tons although loadcells of up to 200 tons may be calibrated.

Connection between the load cell and the display is made using a 10m standard 4 core shielded cable (longer cables may be made upon request) and connected using heavy duty military specification plugs.

Two bow type (bolt, nut and split pin) shackles are supplied to suit the load cells capacity (TLS load cell).

There are various different types of loadcells which may be used – TLS (tension load cell), shackle type loadcells (not as accurate as TLS) and S-type loadcells.

Sizes :

- 2 ton
- 5 ton
- 10 ton
- 20 ton