



MUDHRA WEIGHING SYSTEMS

The name That Carries Truth

ELECTRONIC ROAD WEIGHBRIDGE MODEL:MS-ERWB

MODEL APPROVAL NO: IND/09/16/476



TECHNICAL SPECIFICATIONS FOR WEIGHBRIDGES

CAPACITY	READABILITY	PLATFORM SIZE	NO. OF LOAD CELLS
30/40/50MT	5/10Kgs	9X3Mtrs	4
40/50MT	5/10Kgs	10X3Mtrs	4
40/50MT	5/10Kgs	12X3Mtrs	4
50/60MT	10Kgs	14X3Mtrs	6
50/60MT	10Kgs	16X3Mtrs	6
80/100MT	10Kgs	16X3Mtrs	6
50/60MT	10Kgs	18X3Mtrs	6
80/100MT	20Kgs	18X3Mtrs	6/8
120/150MT	20/50Kgs	18X3Mtrs	8/10

FEATURES

- Dual Range/ Dual Accuracy
- Auto Calibration / Smart Calibration
- Pass word, hardware protection for calibration and other features
- Operator login for 5 members
- Five fields data entry provision like Veh, Prop, Party, Tpt, Dest. etc..
Along with RST no., Gross, Tare, Net, Date and Time
- Reports like all field wise, daily, weekly, monthly, full/pending and operator wise
- Weight record storage between 1,00,000 to 2,00,000 vehicles depending on options programmed
- Built in real time clock with battery backup for storage data up to 72 hrs
- Charges option for public weighbridges
- Print/ view/veh./RST wise recall facility
- Display of Weighment kg/ton
- Power ON weight
- Calibration date viewing
- Weighment ticket type normal / Pre-printed
- USB Option for backup Reports
- Weighment Message Option For 5 No Mobiles
- Email Option
- Weightbridge Standard Software
- Weightbridge Camera Software
- Weightbridge Automation

About Structure

1. Pit/pitless structure
2. Fully Fabricated Structure
3. With Stands for dynamic impact / jerk loads and side loads
4. Longitudinal / Lateral stoppers provided
5. Anti skid strippers provided.
6. 150 percent overload protection.



TECHNICAL SPECIFICATIONS:

Standard Capacities (Tf.)	: 10, 20, 30
Excitation Voltage	: 10 VDC - Maximum 15 VDC
Nominal Output	: 2.0 mV/V
Non - Linearity	: ± 0.025 % FSO (Full Scale Output)
Hysteresis	: ± 0.02 % FSO
Non-Repeatability	: ± 0.01 % FSO
Creep (30 minutes)	: ± 0.03 % FSO
Input Resistance	: 770 ± 20 Ohms
Output Resistance	: 770 ± 7 Ohms
Insulation Resistance (50VDC):	> 1000 Mega Ohms
Cable Length (4 core)	: 15 mtr.
Safe Overload	: 150 %
Ultimate Overload of Rated	: 300 %
Allowable Side Load	: 50%
Side Load Discrimination	: 500:10
Temp. Compensated Range	: 0-60 C
Temp. Effect on Output	: < 0.0015 % FSO/ C
Temp. Effect on Zero	: < 0.0020 % FSO/ C
Deflection	: < 0.5 mm at FSO
Tightening Torque	: 10 m.kg.
Finish & Construction	: Electroless Nickel Plated Tool Steel
Environmental Protection Class	: IP68
Transient Voltage Protection	: Provided

TECHNICAL SPECIFICATIONS:

Standard Capacities (Tf.)	: 5,7.5, 10, 15, 20, 23, 30, 45, 75, 100
Excitation Voltage	: 20 VDC
Nominal Output	: 2.0 mV/V
Non - Linearity	: 90210 ± 0.15 % FSO (Full Scale Output) 90310 ± 0.025 % FSO
Hysteresis	: ± 0.03 % FSO
Non-Repeatability	: ± 0.02 % FSO
Creep (30 minutes)	: ± 0.03 % FSO
Zero Balance	: ± 1.0 % FSO
Input Resistance	: 450 ± 2.0 Ohms
Output Resistance	: 480 ± 3.0 Ohms
Insulation Resistance (50VDC):	> 1000 Mega Ohms at 50 VDC
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload of Rated	: 300 % of Rated Capacity
Allowable Side Load	: 10 % of Rated Capacity
Temperature	: 0-60 C
Compensated Range	
Temp. Effect on Output	: < 0.0015 % FSO/ C
Temp. Effect on Zero	: < 0.0020 % FSO/ C
Deflection	: < 0.4 mm at FSO
Finish	: Epoxy Enamel
Environmental Protection Class	: IP68



Applications

1. All types of industries
ex: Chemical, Pharma, Steel, Cement, Seed, etc..
2. Public Weighbridges
3. Logistic Hubs
4. Toll plazas
5. Ware Houses, Godowns

INTELLIGENT TERMINAL:: TECHNICAL SPECIFICATIONS:

- Operating Voltage: 90 to 270 V., A.C, 50/60 Hz, Fuse Protection: 2.5 A.
- SMPS type Power Supply with EMI/RFI filters with surge/spike Protection.
- Operating Temp. Range: 10 c to 55 c.
- Humidity: 0 to 95% relative humidity non condensive.
- ADC Error, Excess Load Buzzer for Fault & Data Entry.
- 16 characters X 2 Lines LCD Display with Back Light for data Entry, Weight, Date and Time.
- 6 Digit, 7 Segment, 14mm Character Height Bright Red LED Display for Weight.
- ½", 1", 2.3", 4", 5 digit, 7 segment Bright Red LED Extra display.
- RS 232-C Serial Port to connect P.C.
- Centronics Parallel port to connect printer
- Supports up to 8 Load cells of each 350 ohms
- 104 Keys Alpha Numeric Computer key Board for data entry.
- Graphic LCD display 1030 X 40 with blue back light



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