



**WARRANTY CERTIFICATE**

Customer Name: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_ Invoice/DC No: \_\_\_\_\_

Stamping Quarter \_\_\_\_\_ VCNo. \_\_\_\_\_

Model: \_\_\_\_\_ Sl.No: \_\_\_\_\_

Dealers/Agent Name : \_\_\_\_\_

\_\_\_\_\_

The manufacturer warrants all products shipped from India against defects in MATERIAL and WORKMANSHIP for a period of One (1) year for standard line of products. All OEM and custom built orders carry (!) year warranty for MATERIAL and WORKMANSHIP. Warranty will not be applicable for Battery and adaptors. Normal wear and tear, injury by natural forces, user neglect and purposeful destruction are NOT covered by this warranty. Technical Service MUST be performed by authorised staff or factory authorized personnel. Manufacturer's obligation is limited to replacement of parts that have been so returned and are disclosed to Manufacturer's satisfaction to be defective. The provisions of these warranty clauses are lieu of all other warranties, expressed or implied, and of all obligations or liability in connection with sale of said articles. ISHTAA makes no -warranty of merchantability or fitness for a particular purpose. By accepting the goods, the buyer acknowledges that the buyer has determined that the goods are suitable for the buyer's purposes. In no event shall the Manufacturer be liable for any subsequential or special damages. Any misuse, improper installation or tampering shall VOID this warranty.

Product that is malfunctioning within the 1-year warranty period for scale line and 1-year warranty period for OEM products may be returned to Manufacturer for Warranty Evaluation at the customers' expense. Manufacturer reserves the right to repair OR replace the components free of charge as may qualify under this warranty.

REMINDER!! WARRANTY DOES NOT COVER USER DAMAGE AND ABUSE. In addition to a listing of the repairs covered under warranty, if any, the customer will be billed accordingly for all parts and labour associated with any NON-WARRANTY repairs made to the product.

**INTRODUCTION:***Welcome to Ishtaa Scales**Congratulations on your purchase of ISHTAA Electronic Weighing Scales. You have chosen right Brand to weigh your materials accurately always.**Every care has been taken during manufacturing to get better accuracy always.***UNPACKING***unpack the scale carefully and save the packing materials for future Transportation use of required Confirm the contents of the packing as per your order.***INSTALLATION REQUIREMENTS***For obtain better results, we recommend that scale should be kept in the following conditions*

1. *Stable Solid working Surface*
2. *Not subject to Vibration*
3. *Not in Excess Moisture Area*
4. *Dust Free*
5. *Not Exposed to Heat and Radiation*
6. *Away form Magnetic Interferences*
7. *Any other environmental features that may affect the accuracy or the scale*
8. *Temperature range between 0- 45c degree*
9. *Stable Power supply*

**INSTALLATION:***By adjusting the four legs keep the scale in perfect horizontal position.**Remove the Transport lock from bottom of the machine.**Place the weighing pan on the scale. Make sure that the Weighing pan surface does not touch any other object or cabinet**If scale is with second display, fix the display in to connector provided in the back side of the scale.**Plug the AC power cord to AC power socket and switch ON.**switch ON the scale. Make sure that the weighing pan is empty before Switching ON.**Scale will do self test and come to "0" and its ready to use now.***GENERAL CARE TO GET ACCURATE RESULT***a. In order to get the precision results, its better to switch on the scale 15minutes before use.**b. Always keep the scale in stable solid surface*

- c. Gently place the weights on weighing pan and weight should not be more than the scale capacity.
- d. Do not allow the weight to remain on the scale for long time than the time required for weighment
- e. The scale is programmed for 9e steps plus scale capacity before it indicator overload.
- f. Battery must be used once in a week for long term better performance.
- g. Use always your fingers to operate the keys.
- h. The scale should be cleaned regularly with a soft cloth or brush. Mild cleaning agent should be used to remove the dirt and stubborn grime. Never place and handle the scale in wet condition.
- i. Spillage during weighing process should be removed immediately.
- j. Never hit the pan and overload the scale.
- k. The scale should be cleaned in its normal condition. The load cell may get damaged if the scale is tilted on its side or is kept upside down.
- l. For appropriate display clarity the indicator should not placed in direct sunlight, and must be placed on a sturdy platform. Heavy vibration and highly dusty area also seriously effect the life of the indicator.

### **BATTERY:**

The indicator uses a 6V Sealed lead acid rechargeable Battery. The user must make sure to connect the battery correctly, that is the RED wire should be attached to the RED (+) end of the battery and the BLACK wire should be attached to the BLACK (-) end of the battery. Wrong connections can damage the battery and the indicator beyond repairs, so be very careful while making the connections.

Also note:

- Please charge the battery for at least 20 hours before using the indicator for the first time.
- The battery automatically gets charging once the indicator power cable is plugged in to the mains; hence only make sure that the GREEN LED on the top right side of the display is ON.
- If the scale is not used for long, the battery will discharge under self leakage, and hence should be charged from time to time. Ideally the battery should be charged for at least 10 to 12 hours every two months to prolong the battery life.

### **MAINTENANCE:**

Please note the following points of care for the indicator to prolong it life:

- Make sure to turn off the power while installing or removing the power cable of the indicator from the mains supply.
- Make sure to switch of the indicator while connectiong or removing the loadcell connector.
- Make sure that the loadcell connector is properly connected to the indicator, and secured with the screws provided with the connector.

**"RNG 01":** Press the ZERO key the display will show "div X", select the value of the least count between 1, 2 or 5 using the  $\uparrow$  key. Press the ZERO key again, the display will show "000000", now select the decimal point position using the  $\rightarrow$  shift key. Press the ZERO key the display will briefly show "CAP" and then display the previously entered Capacity. Enter the new Capacity using the  $\uparrow$  and  $\rightarrow$  Keys. Press the ZERO key the display will briefly show "noload" and then the internal division at no load condition. Make sure for the decimal point to stop blinking, and then press the ZERO key The display will show "LOAD" briefly and then again the internal counts. Keep the calibration weight and press the ZERO key the display will show "000000". Now enter the value of the calibration weight kept using the  $\uparrow$  and  $\rightarrow$  Keys. Finally press the ZERO key the display will show the calibrated weight. Please remember that the value of the DIV, DECIMAL and CAP should be entered remembering the maximum allowed counts are 30000 counts or less otherwise the indicator will not accept the setting and display "ERR"

**"RNG 02":** Follow the above procedure, only remember that you have to enter the DIV, DECIMAL and CAP twice instead of once. The maximum number of counts allowed for each capacity range will be 15000 counts or less, and hence the setting should be entered accordingly.

**"RNG 03":** Follow the above procedure, only remember that you have to enter the DIV, DECIMAL and CAP thrice instead of once or twice. The maximum number of counts allowed for each capacity range will be 10000 counts or less, and hence the setting should be entered accordingly.

**NOTE:** Please make sure that for "RNG 02 and RNG 03", the lower DIV and CAP is entered first, and then the higher DIV and CAP.

### **External calibration Setting (Without Division, Decimal and Capacity setting):**

Press the ZERO key and switch on the scale. The display will show "PASS" and then "000000". Press the ZERO key The display will show "CAL". Press the ZERO the display will briefly show "no Load" and then the internal division at no load condition. Make sure for the decimal point to stop blinking, and then press the ZERO Button. The display will show "LOAD" briefly and then again the internal counts. Keep the calibration weight and press the ZERO key the display will show "000000". Now enter the value of the calibration weight kept using the  $\uparrow$  and  $\rightarrow$  Keys. Finally press the ZERO key the display will show the calibrated weight. If the difference between this external calibration and the previous internal calibration is more than 5%, the new calibration will not be stored and the indicator will pick up the values / setting according to the old internal calibration only. If the user feels that the new external calibration is correct and still the indicator is not accepting it, then the correct way to do the calibration will be to do the internal calibration again.

**Counting Function:** The indicator has counting mode which can be used for parts counting. In the weighing mode, keep a weight on the scale. When the decimal point stops blinking, press the Counting key. The display will show the value according to the previously entered data. Now press the M key. The display will show "SM0010" which is selection mode for the number of pcs. Press the M key again. The display will show "SM0020", so that the user can select the appropriate number as per the number of samples kept on the scale in the beginning. After correct selection, press the ZERO key. The display will show the weight. Press the counting key again and again, to toggle between the counting mode and weighing mode.

**SETTINGS:**

Press the M button and then switch on the scale. The indicator has the following user settings in this menu:

- DUMMY ZERO:** The user can enable or disable the DUMMY ZERO display with this setting. Select YES or NO depending on whether you want to display the dummy zero or not.
- AUTO ZERO:** After dummy zero selection, the display will show "A-O X". Here the user can select the range of the autozero. "A-O 0" means auto zero function disabled and the display will show even the first count from the zero level. "A-O 3" means the auto zero range is 3d, meaning that the indicator will auto zero any reading between 0d and 3d at the zero level, to maintain the correct zero on the scale.

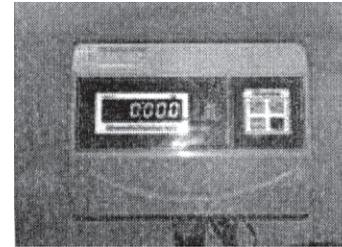
**CALIBRATION:**

**Internal Calibration Setting (With Division, Decimal and Capacity setting):**

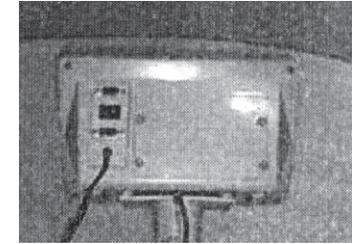
Press the ZERO key and switch on the scale. The display will show "PASS" and then "000000". The user should enter the password "XXXX" using the ↑ and → keys. Now press the ZERO key. The display will show "CAL". Press the ZERO key again. The display will show "RNG 01" use the following table to select the appropriate setting of RNG

Range	Maximum Counts	Example
RNG 01 (Single Range)	30000 counts or less	300kg x 10gm
RNG 02 (Dual Range)	15000 counts for each range or less	150kg x 10gm (15000 div) 300kg x 20gm (15000 div)
RNG 03 (Triple Range)	10000 counts for each range or less	100kg x 10gm (10000 div) 200kg x 20gm (10000 div) 300kg x 50gm (6000 div)

**INSTALLATION**



Front View

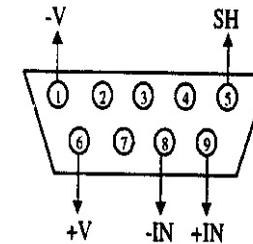


Back View

**1. Connection of the Loadcell:**

The 9 Pin connector at the back of the indicator is for connecting the loadcell to the Indicator. Please use the following instruction to connect the loadcell to the indicator correctly.

INDICATOR CONNECTOR	LOADCELL CONNECTOR
Pin no. 6 (+V)	(+) Loadcell Input
Pin no. 1 (-V)	(-) Loadcell Input
Pin no. 9 (+IN)	(+) Loadcell Output
Pin no. 8 (-IN)	(-) Loadcell Output
Pin no. 5 (SH)	Loadcell Shield wire



**Always remember:**

- Make sure to switch off the indicator while connecting the loadcell.
- Make sure that the loadcell wire is securely soldered to the connector pins correctly as shown above and Double check that there is no dry soldering.
- Make sure to tighten the connector screws after attaching the loadcell connector to the indicator connector to avoid loose connection problems.

**2. ON/OFF Switch:** The on/off switch is provided at the back of the indicator to turn an and turn of the indicator. Under most recommended conditions, make sure to turn off the indicator when not in use for long time, and it is most recommended that the power cable of the indicator should always be connected to the mains power socket.

**3. Second Display Connector:** The 15 pin connector below the on/off switch is provided for the second display connections. The normal indicator has only a dummy 15 pin connector and the connections inside the indicator for the second display are not provided. If you need indicator with second display connection the connector by default, then please order with display model.

**4. Indicator Neck:** The neck for mounting the indicator on the platform pole is provided along with the indicator. 4pcs of screws are also provided with which the user may tighten the neck to the base of the indicator. Make sure to tighten these screws to the indicator base tightly and securely in order to avoid any loose joints.

## **OPERATION**

**Switch On:** The scale can be switched on using the on/off switch at the back of the indicator. The display will show Start up message and Version no. of the software, and then display "0.00"

## **KEYS & CONTROLS**

**ZERO:** This key is used to zero an unwanted reading on the display. This is also used for going in to the calibration mode.

**HOLD:** This key is used for holding the weight on the display.

**M/**  This key is used for Setting the LO and High Limit in the scale. The key is also used as the up arrow key in the setting menu

**Counting/** : This key is used for counting function. This key is also used as the left shift key in the setting menu

## **Indications:**

There are three visual indications in the scale which are as follows:

**Power LED:** When you connect the power cable of the indicator to the power socket, the GREEN LED on the top right side of the display will glow. When the LED will glow, you can be sure the indicator is being powered from the main supply, and that the battery is being charged.

**Stable weight indication:** In the weighing or the counting mode, when you keep the weight you will notice that the decimal point is blinking. The blinking decimal point means that the weight is not stable. Once the weight is stable, the

decimal point stops blinking and the user can be sure that the weight being shown is the correct weight.

**Hold function:** In the weighing mode if you press the hold key after keeping the weight, the displayed weight will start blinking this means that the hold function is active. Once the display stops blinking the hold mode is turned off.

## **Functions:**

**HOLD Function:** The indicator has a hold function which can be used to hold the weight display. In weighing mode, keep a weight and wait for the decimal point to stop blinking. Once the decimal point is stable, now user can press the HOLD button. The display will start blinking, and the weight will be hold on the display without any movement if you add some weight or remove some weight. Also if you remove the total weight, the previous weight will still be displayed at which the hold button was pressed. Now to come out of the hold mode, simply press the hold button again, or keep a new weight. The indicator will automatically understand a new weight has been kept, and it will exit the HOLD mode, and display the new weight correctly.

**SET POINT Function:** The function is mainly used for packing or check weighing function. The user can pre define the level at which he needs the alarm to sound. When the display is showing "0.00", press the M key the display will show "SET LO", now press the zero button, the display will show "000000" or the previous entered value. Enter a value using the  and the  key and then press the Zero key. Now the display will show "SET HI" and the user can similarly enter the HI value. The following logic is followed in this mode:

**SET LO value is entered only:** If the user only enters the SET LO value and keep the SET HI value as "0.00", the indicator will sound the beep sound below the SET LO value.

**SET HI value is entered only:** If the user only enters the SET HI value and keep the SET LO value as "0.00", the indicator will sound the beep sound above the SET HI value.

**SET LO & SET HI both are entered:** If the user enter both SET LO and SET HI value, the beep will not sound below between the SET LO and SET HI value range, and the beep will sound below the LO value and above the HI value.

Please note the following points:

1. The beep sound will sound only when the stable light stops blinking, that weight is stable.
2. The BUZZER is not provided as standard, and it needs to be installed by the dealer / reseller. Without the buzzer installed, the deep sound cannot be heard.