

## MANUAL FOR MRB-20 MOTHER BOARD AND CHARGER

<b>MOTHER BOARD CONNECTIONS /</b>	<b>SUPPLY CONNECTIONS</b>
<b>CN1</b> = DISPLAY CONNECTER	<b>TXR</b> = TRANSFORMER
<b>CN2</b> = BUZZER CONNECTER	<b>B+</b> = BATTERY PLUS
<b>CN3</b> = KEYS CONNECTER	<b>SW</b> = ON/OFF SWITCH
<b>CN4</b> = RS232 CONNECTER	<b>PLED</b> = POWER LED
<b>CN5</b> = LOAD CELL CONNECTER	<b>BLED</b> = BATTERY LED
<b>CN6</b> = POWER SUPPLY CONNECTER	<b>BLOW</b> = BATTERY LOW
	<b>GND, +5V</b> =SUPPLY CONNECTION

**KEYS = TARE/ENTER KEY= FIRST KEY= MICRO PIN NO.5**  
**M+ KEY = SECOND KEY = MICRO PIN NO. 6**  
**MR KEY = THIRD KEY = MICRO PIN NO.7**  
**MODE KEY = FOURTH KEY = MICRO PIN NO. 8**

### OPERATIONS / SETTINGS

#### **i) Hold MR key and power on**

**LOC**= Enter Master password ( 2015)  
**P-PASS** = Change Parameter setting password  
**FNAME** = Enter Farm name

#### **ii) Hold M+ key and power on (Enter parameter setting password)**

##### **P : VWXYZ**

**Location: V** for Mode function ( **MF** )

1= counting ,2= setpoints, 3= litre/ %

**Location : W** for Display mode ( **DSS** )

**0** = weigh mode,1= save mode.

**Location : X** for Auto- zero tracking ( **A-0** )

Auto-zero tracking counts ( 0- 9)

**Location : Y** for Dummy zero ( **DU-0** )

0= normal weighing without dummy zero

1= with dummy zero

2= dual accuracy ( 0.5/1 ) or ( 5/10)

**Location: Z** for no. of Capacity selection

1= only one capacity machine

2= Two capacity machine

3= Three capacity machine

**CAP-1**= first capacity (first cap. range for Triple&Double cap. ) ( Enter )  
( if not use inter 00000 value )

**DP1** = decimal point ( DP) of cap1

**FD1**= accuracy class ( FIRST DIGIT) of cap1

**CAP-2**= second scale capacity (enter)  
( if not use inter 00000 value )

**DP2** = decimal point ( DP) of cap2  
**FD2** = accuracy class (FIRST DIGIT ) of cap2

**CAP-3**= scale capacity (enter)

**DP3** = decimal point ( DP) of cap3

**FD3** = accuracy class (FIRST DIGIT ) of cap3

**Litd** = litre density / % value , fifth digit 0=litre mode  
Fifth digit 1= % mode

iii). Hold **MODE key** power on = see machine internal count

iv). If battery goes from **5.4 volt** below display show **LOBAT**  
**Disable** by press **TARE KEY** for 10 seconds.

### **calibration CALIBRATION:**

Make sure that the Machine is in weighing mode

Keep Weight on the Pan/ platform ( near 30% of m/c capacity.)

*Please WAIT for 20 seconds after place Weight.*

**Press MR key** and hold then press **MODE key**

Display show **CAL** (Enter)

Display show **00000** ( feed above weight by **M+& MR** Keys )

Press **ENTER KEY** to complete .

### **COUNTING FUNCTION :**

Make sure that machine is in weighing mode

Keep some pieces on the pan/ platform

Display show you the weight

**Press MODE** display show **COUNT**

Then press **TARE/ENTER key**

Display show **P. 00000**

Enter the number of pieces which kept on the pan ( press Enter key )

Now machine working in counting mode.

For weight mode , press again **MODE key** .

### **MEMORY FUNCTION :**

Press **M+ key** = display show total memory

Press **MR key** = Memory recalling

**Press MR key** release then press **MODE key** = memory clear

### **SETPOINTS:**

This function use for For check weighing

For checking weighing MF=2

press **MODE key** for SETP-1

set value of first point (Enter)

press **MODE key** again for SETP-2

set value of second point (Enter)

Buzzer will be give sound if weight in between above set points limits

