User Guide

DIGI

DI-28SS
WEIGHING INDICATOR

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Overview

DI-28SS is a microprocessor chip good for all kinds of weighing application for Bench Scale , Floor Scale and Platform Scale . It is very high accuracy and use re-charge battery operate up to 120hrs . It is a new design for weighing indicator with build–in series output RS-232c.

Features :

1. Accuracy class   C-III.
2. A/D conversion speed   20 times/second.
3. Internal resolution 1/ 300,000.
4. Display resolution   1/1000   1/30,000 division.
5. Non linearity   0.016   F.S.
6. Rated Output   0~20mV.
7. Excitation Voltage   DC5V   Analog (up to 4 x 350Ω load cell) .
8. Power supply   DC6V/4Ah re-charge battery or AC230V power supply.
9. Display   6 digits LED display and height 25mm LED.
10. LED indicate   G.W., N.W., tare, zero, ct, oz, lb, kg.
11. Power consumption   1W.
12. Operating temperature   0 ~ 40 .
13. Humidity   ≤ 85   .
14. Dimension   230mm × 145mm × 98mm.
15. Weight   1.5 kg.

Front view Diagram
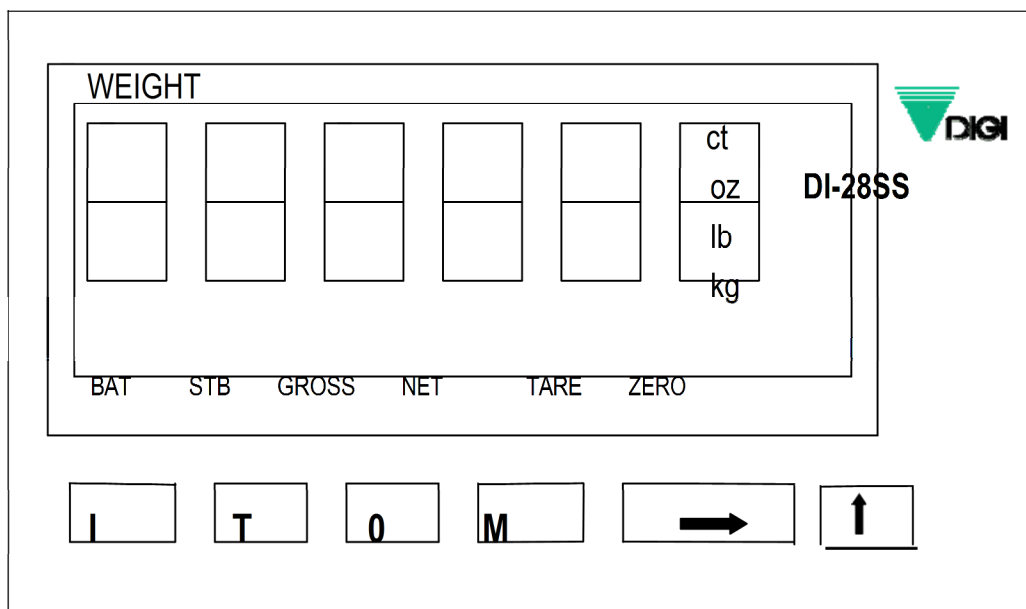
Diagram 2   DI-28SS   Front-Panel diagram

Description of display

LED	Name	Description
BAT	Low Battery sign	Battery Voltage is low
STB	Stable sign	Display show weight is stable
GROSS	Gross Weighing	Display the gross weight .
NET	Net Weighing	Display value show net weight after deduct the container from the platter.
TARE	Tare weighing	Tare weight is after deduct container weight
ZERO	Zero	Display weight is zero
Kg	Unit kg	Displayed weight is in Kilogram (Kg).
Lb	Unit lb	Displayed weight is in Pounds (lb).
Oz	Unit oz	Displayed weight is in Ounce (Oz).
Ct	Unit ct	Displayed weight is in Carat (Ct).
Negative	Negative Weight	Display weight is (-) negative
Charge	Charged Battery	1. When turn to Red LED show battery is LOW . 2. When turn to Green LED show battery is full .
HI	Over Limit	The weight is over the preset value.
OK	Pass Limit	The weight is between Hi & Lo preset value.
LO	Low limit	The weight is under the preset value.

Switch bottom function :

1. ❙ Switches Power On / Off.

   i. Press ❙ once, the display show a self-test and come to Zero on the screen. Each LED will display 0 to 9 in sequence during the self-test.

   ii. Press and hold ❙ for 3.0 second, the display will shut down automatically.

2. **T** Place the container on the platter .Press **T** ,the weight of the container will be subtracted and " NET " & " 0 " will appear .

3. **O** Re-zero the weight and display show zero.

4. **M** Press **M** to choose the unit weight and display will show : Kg, lb, oz and ct.

5. Press➡ the display shows number of times weighed in " n x x " and after to print out accumulated total.

   i. To clear or reset the accumulated total , press **O** once.

   ↑ Press ↑ to print current weight and the weight will be added to the accumulated total.

   ii. To clear or reset the accumulated totals, press **O** .

Print format:

When printing , pressing ↑ each time will print out the current sequence of the current weight. Upon pressing ➡ the accumulated total will be print out.

Example : print out format is as follow: -

№	weight	
1	1.200	kg
2	2.300	kg
3	3.400	kg
4	4.500	kg
5	5.500	kg
Add	16.90	kg

Function Setting :

Put the Cal JP "OFF" position (Short jumper off) :

1. Press **T** 1.5 seconds, the display show " **OFF × ×** ", mean is auto power off function : 3 minute - 30 minute and 0 (always ON) . Press ⬆ to choose 3,10,15 and 30, for automatically power off .

2. Press **M** the display show : **" bp On "** or **" bp OFF "** . Press ⬆ to choose On or OFF for buzzer sound or not sound.

3. Press **M** the display show : **" L XX. X "** . Press ➡ ⬆ , to select a new value for weight under the limit (LO).

4. Press **M** the display show **" 0 XX. X "** . Press ➡ ⬆ to select a new value for weight between the HI & LO limit (OK).

5. Press **M** the display show **" H XX. X "** . Press ➡ , to select a new value for weight over the limit (HI).

6. Press **M** the display show **" 08.09.10 "** . Mean is year / month / day. 08 = year , 09 = month , 10 = day . Press ➡ ⬆ to select the value.

7. Press **M** the display show **" 12.34.56 "**. Mean is hour / minute / second. 12 = hours , 34 = minutes , 56 = second. Press ➡ ⬆ , to select the value.

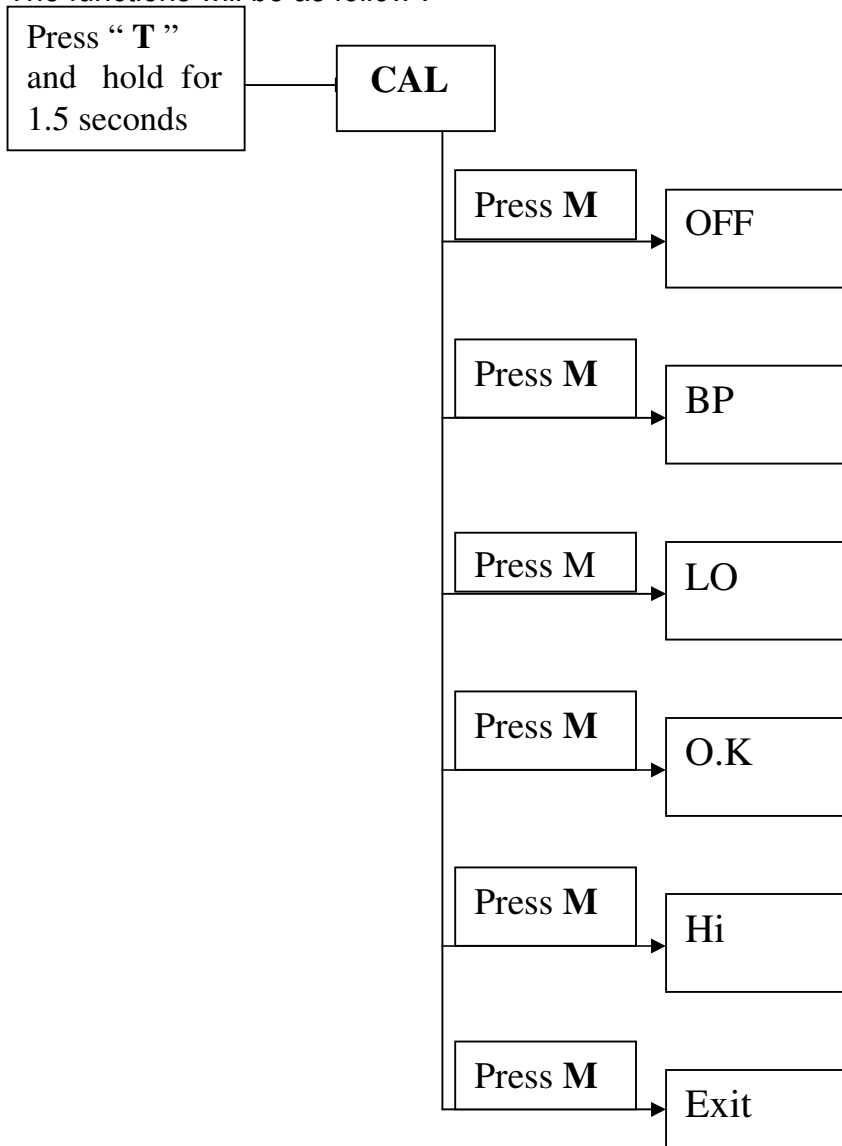8. Press **M** return to normal display weight.

Error Messages :

Display	Possible Cause	Solution
Press "POWER" no display.	The 230V/AC power supply not working or Re-chargeable battery no voltage.	Check the power supply or battery and power switch.
One section of LED display no light	The LED display is not good in condition	To replace LED display
The display reading not stable	To check the platform structure	To open the platform structure and clean the structure
The scale can not do calibration.	To check the calibration jumper (put to 'ON' position)	To open casing and place the Cal jumper ON position
The scale is not accurate	The Load Cell is not good in condition	To replace the new Load Cell

Operation Mode

Open the casing , switch the jumper (JP1) to " OFF " position.

The functions will be as follow : -

| Press " **T** " and hold for 1.5 seconds | → | **CAL** |

Press **M** → OFF

Press **M** → BP

Press M → LO

Press **M** → O.K

Press **M** → Hi

Press **M** → Exit

Guarantee

This weighing instrument is under one year warranty from date of customer purchase the scale. If the scale have problem and please send the scale to our company service department .