

Embedded System Laboratories Pvt. Ltd.

(An ISO 9001:2008 certified company)



Model No.- 0801-8001
Digital Specific Gravity Balance
for Rubber & Plastic
Manual

86, Lane No. 7, Near Laxmi Dairy, Gurudwara Road, Jawahar Colony,
N.I.T. Faridabad-121005, Haryana (India)
Mobile : +91-9811482048, +91-9311482051, Phone : 0091-129-2230671
E-mail :-eslfaridabad@yahoo.com, eslpl.india@gmail.com
Visit us at : www.eslpl.com

INTRODUCTION

Embedded System Laboratories Pvt. Ltd. is a company which is involved in developments and manufacturing in the field of Embedded Systems and miscellaneous Sensors/Transducers.

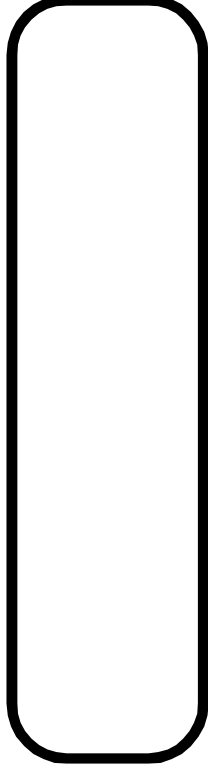
The company activities includes to serve the laboratories which are involved in Quality Controls either in measurments of various parameters or developing other process controls for the same.

Company's product includes Load cell, Pressure Transducer and their Indicators & Controller, SMS enabled security systems & Process Control Systems

All the devices of the company are designed for a user friendly operation. Special attention is given to the software for the devices to set the various parameters at the user end if they want to change any, like Calibration, Limits, other setting, of the device etc.

Providing high quality on low price.

DIGITAL SPECIFIC GRAVITY BALANCE



WEIGHING
SPECIFIC
GRAVITY
STABLE

(Range : 0.01 to 22.00, Error : ± 0.002 , Use samples from 5gm to 100gm)



EMBEDDED SYSTEM LABORATORIES

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TEST



SETUP



SHIFT



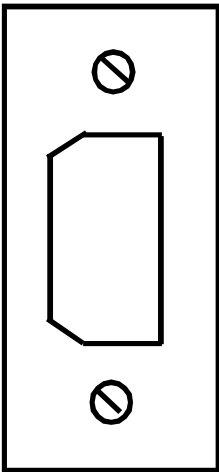
INC.
RESET

OFF

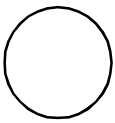


ON

FRONT PANEL



220 V 50 Hz



LOAD CELL

EMBEDDED SYSTEM LABORATORIES
Faridabad
E-mail : - eslfaridabad@yahoo.com
espl.india@yahoo.com
Ph. :- 0129-2230671

BACK PANEL

Hardware Reset

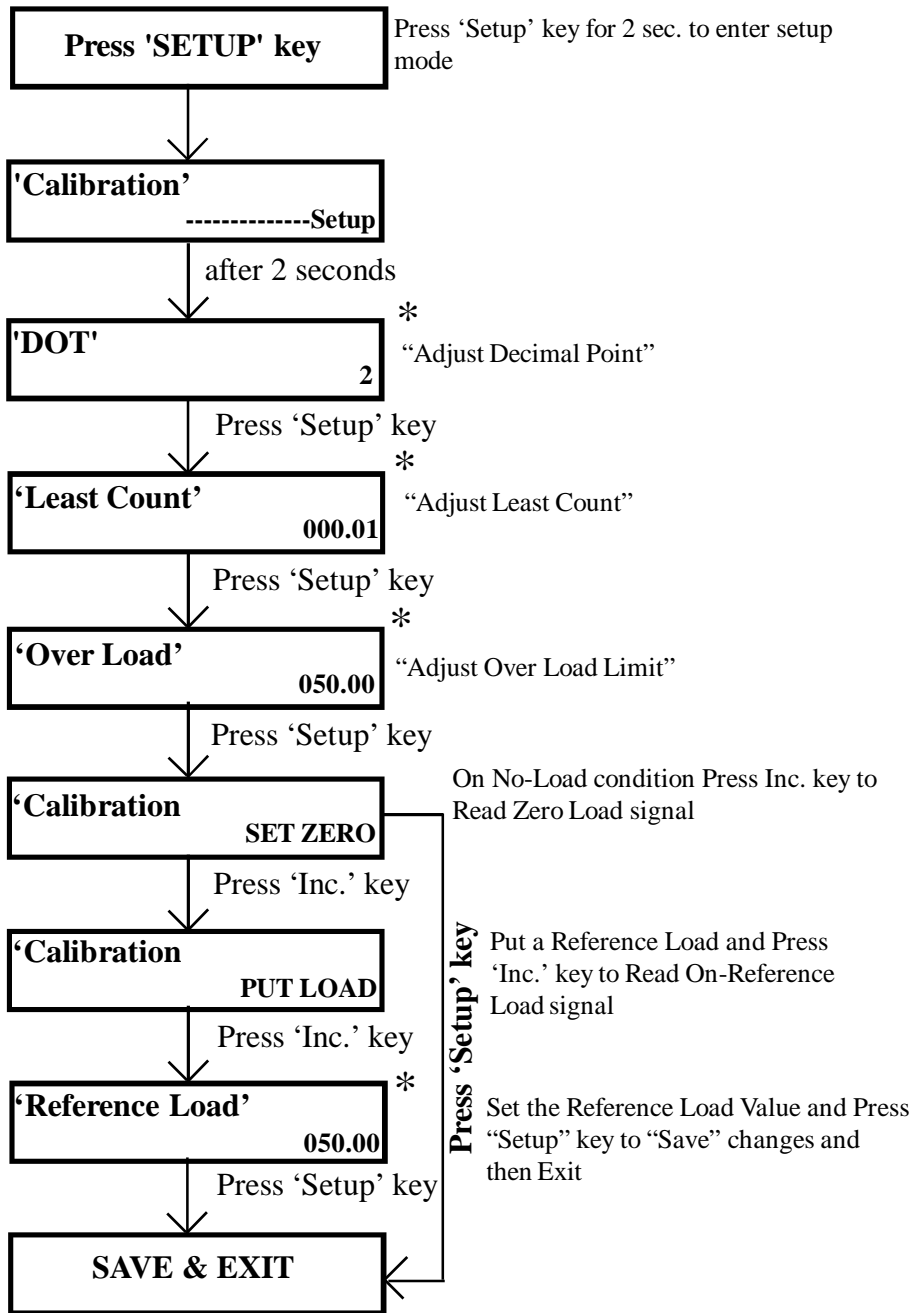
Switch off the device, press setup and inc. key simultaneously then switch on the device. After 5 sec. release all keys.

ADC Values

Switch off the device, press setup key and switch on the device. The device will show the ADC values, release the key.

Calibration Preparation

Before doing the calibration test please check that the load cell should be connected with the device in such a way that on loading the weight on the load cell, ADC value should rise up. Otherwise you may face fixed zero error i.e., after calibration reading will be fixed at zero even if you rise the load on the load cell.



(* use shift / inc. keys to change preset value)

(if you don't want to save new settings, switch off the device anywhere inbetween the 'setup' before 'save & exit')

Specifications :

Range	0.010 to 22.000
Repeatability Error	+/- 0.002
Max. Error	0.1 %
Sample weight	2-50 g.
Overload protection	upto 100 gm
Display	16 char. x 2 lines big LCD Display with green backlight
Box	Sleek table top metal box
Test Fixture	Powder coated Mild Steel for long life
Weighing Scale	50 g Least Count 0.01 g
Calibration	Through key pad for weighing scale (Specific Gravity calibration is automatic)

Test Procedure :

- * Remove any hanging sample
- * Press "Test" button : Display will give message "Hang Sample".
- * Hang sample and wait to be stable.
- * Press "Test button : Display will give message "Dip in water".
- * Dip your sample in water now and wait to be stable.
- * Press "Test" button : Display will give the Specific Gravity value of the sample.

Note : Don't push the "Test" button without stability of the sample. It will add errors in the reading.