

1. Load Cell connections : (DB-09 Female)

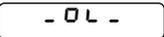
Pin no. 1,2 3 4,5 6,7 8,9
 EXC+ GND EXC- SIG+ SIG-

SNOWREX

Weighing Indicator

Model: PSL

Error message

Symptom	Cause	Solution
	<p>Over load :</p> <p>* Weighing range exceed</p>	<p>> Unload scale or reduce preload</p>
	<p>Under load :</p> <p>* Weighing pan not in place</p> <p>* Weighing range zero below</p> <p>* Contact between weighing</p>	<p>> Ensure the weighing pan is correctly installed and surrounding parts are not touching</p> <p>> Set scale to zero</p> <p>> Apply pre-load</p>
	<p>Zeroing not possible :</p> <p>* Zeroing outside the zero setting range</p>	<p>> Ensure that zeroing is performed in the admissible range (20% of Cap.)</p>
	<p>* Hi/Lo limit range has wrong setting</p>	<p>> Re-Setting</p>



You have purchased a quality precision weighing instrument that requires handling with care. Read entire contents of this **Operating Manual** prior to operating your new instrument.

Disclaimer Notice

Calibrate your instrument using reference weights of the appropriate tolerance (class). An instrument can be no more accurate than the standard to which it has been compared. For assistance in the selection of reference weights, please contact the factory.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Introduction

Thank you for choosing one of our instruments. Your instrument is designed and manufactured to the most rigorous standards in order to give you years of service. First, check the contents of the shipping carton. You should find the following :

* **Manual** * **Instrument** * **AC Adapter**

Next, follow the instructions for installing your instrument.

Now you are ready to begin using your instrument. To take advantage of its many features, carefully read your operating manual.

It contains step-by-step procedures, examples, and other vital information.

Warning: Use of this product in a manner not specified by the manufacturer may impair any safety protection provided by the equipment!

Calibration

C. Re-zero range

Or. 0

Re-zero range 100% of Cap.

Or. 1

Re-zero range 2% of Cap.

D. Weight calibrate

SPAn

In step of **Weight calibrate**, press **HI-LO** key and display shows **Offset value to be 5000 ~ 50000**

22222

If it's not in this range **Sw1** to be adjust.

1. Press **+0+** key to zero display.

0

2. Put the **calibrating weight** on the platform.

122222

Span value to be 50000 ~ 150000 at full capacity

The lower calibrating weights are available.

such as 1/4, 1/3 or 1/2 capacity.

3. Press **HI-LO** key goes to **SPAN** setting.

0

4. The calibrating number can be changeable by the key **←** **↑**

2222

Press the **HI-LO** key, the **SPAN** setting to be done.

5-----

CAP.

5. Press **HI-LO** key goes to **CAPACITY** setting.

0

6. The calibrating number can be changeable by the key **←** **↑**

2222

Calibrating number = FULL CAPACITY + OVER RANGE

The OVER RANGE can be 9d or 5% of full capacity.

Press the **HI-LO** key, the **CAPACITY** setting to be done.

7. After finish the weight calibration, make the **Jp5 switch ON**.

Now you are ready to weigh.

RS232C Specifications

1. **Baud rate** : 2400/9600 selectable

3. **RS232C connections** : (DB-09 male)

Parity : none

Pin no. 2 5 others

Data bit : 8

Stop bit : 1

TXD GND NC

2. **Format**

Number : 1 2 3 4 5 6 7 8 9 10 11 12 13

Caractors : SP/- X X X X X X X SP k/l g/b CR LF

Programme

K. Weighing lock

Loc 0
Loc 1
Loc 2

None
Enable
Lock range adjustable

In step **Loc 2**, the display will shows lock range

The range can be changeable by the key **←**, **↑**.

Press the **HI-LO** key, the lock range setting to be done.

For example:

3 It means the lock range is +/- 3

If the movement is between 97 and 103, then the scale will lock on, and display the average of 100 and sounds beep.

Calibration

Please have the jumper Jp5 switch OFF, before you start to calibrate weight.

Press and hold any key and then press **On/**, and display shows

CAL

Press **HI-LO** key goes to **weight calibrate sequence**.

Press **↑** key for **quick scrolling check**

Press **←** key for **parameter selecting** and

Press **HI-LO** key for **setting and goes to next step**. The programme sequence as follows:

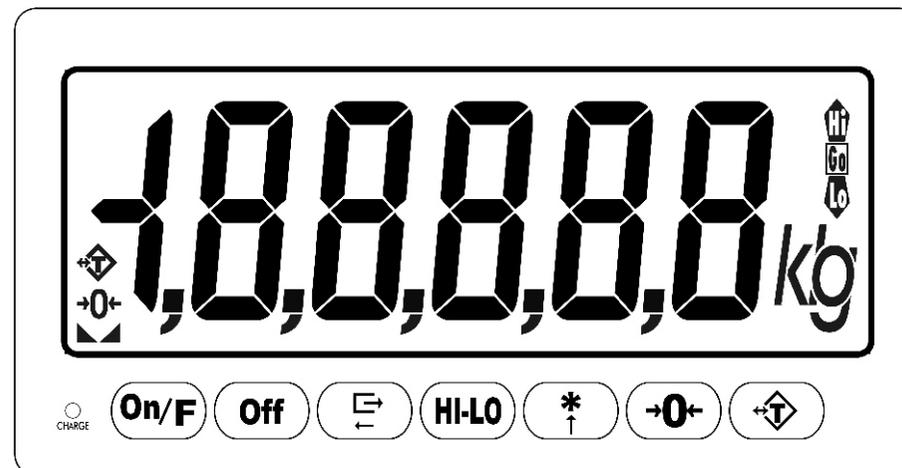
A. Units

Unit 0
Unit 1
Unit 2

lb
kg
kg/lb

B. Grad size

d= .001
d= .002
d= .005
d= .01
d= .02
d= .05
d= .1
d= .2
d= .5
d= 1
d= 2
d= 5



Function keys

On/F

- Turns instrument **On**.
- The **F** to be a function key. Used for toggle switch between display weight and check-weigh.

Off

Turns instrument **Off**.

→0←

Captures a new center of zero.

←↑

Reduce gross weight on pan as tare weight.

HI-LO

Setting OVER and UNDER limit.

←

The ← to be a function of moves the flashing cursor digit to the left.

↑

The ↑ to be a function of increases the flashing cursor by one digit.

*

Units setting.

→

Transfer key.

Operation

A. Getting Started

1. Ensure nothing is on the platform and turn the instrument ON.
2. Turn the instrument ON by pressing the **On/** key.
3. The display will run through a self diagnostic digit check **8.8.8.8.8.8...** and will then indicate zero.
4. **Allow the instrument to warm-up for 30 minutes.**

B. Taring (zeroing)

All models have taring (zeroing) capabilities up to their total weight capacity.

To weigh a sample in its container with the display showing the weight of the sample use the following ZERO (tare) procedure.

1. Place sample container on pan and then press the **←** key and the **↕** indicator will lights on.
2. Now place sample in its container.
3. When the scale is stable, the display shows the weight of the sample.

C. HI / LO Checkweigh functions

1. Use the **HI-LO**, **←** and **↑** keys to change the OVER / UNDER limit settings.
2. The **HI-LO** key can be select display **222222** or **222222** for setting OVER and UNDER limit and return to normal weighing mode.
3. In normal weighing mode, press **/F** to select **HI / LO Checkweigh mode**.
If the weight is higher than OVER limit, the **↑** indicator lights on in display panel and beep sounds as you setted.
If the weight is between OVER and UNDER limit, the **↕** indicator lights on in display panel and beep sounds as you setted.
If the weight is lower than UNDER limit, the **↓** indicator lights on in display panel and beep sounds as you setted.
4. The **+0+** key can be used to delete all datas in HI/LO setting mode.

D. Battery charge

Build in 6V Rechargeable-battery.

Battery operating limited at 5.5V and the display will shows **LabAt**.

In this time the instrument should be charging.

E. Motion detect

When weighing display is stable, the **↕** indicator will lights.

Programme

Press and hold any key and then press **On/**, and display shows **CAL**

Press **On/** key goes to **programme sequence**.

Press **←** key for **parameter selecting** and

Press **On/** key for **setting and goes to next step**. The programme sequence as follows:

A. Auto power off	ROFF 0	None
	ROFF 1	5 minutes after
	ROFF 2	10 minutes after
	ROFF 3	20 minutes after
	ROFF 4	30 minutes after
B. Backlit	bL 0	None
	bL 1	Active
	bL 2	Auto lighting while loading
C. Zero setting	oSEt 0	Initial zero auto
	oSEt 1	Initial zero memorized
		Off
D. Auto zero tracking	AO 0	0.5 divisions
	AO 0.5	1 division
	AO 1.0	2 divisions
	AO 2.0	
E. RS 232 output	Pr 0	None
	Pr 1	Manual
	Pr 2	Auto
	Pr 3	Continuously
F. Baud rate	br 9600	Baud rate 9600
	br 2400	Baud rate 2400
G. Check weigh	HILO 0	None
	HILO 1	Active
H. Beep sounds setting for HI	bbH_0	None
	bbH_1	Short sounds bi.bi.bi...
	bbH_2	Long sounds bi--bi--bi--
I. Beep sounds setting for LO	bbL_0	None
	bbL_1	Short sounds bi.bi.bi...
	bbL_2	Long sounds bi--bi--bi--
J. Beep sounds setting for GO	bbS_0	None
	bbS_1	Short sounds bi.bi.bi...
	bbS_2	Long sounds bi--bi--bi--