

# Intercomp

## **LP600**

### **Users Manual**

**Intercomp Co.  
14465 23rd Ave. N  
Minneapolis, MN 55447 U.S.A.**

**763-476-2531  
800-328-3336  
Fax: 763-476-2613  
[www.intercompco.com](http://www.intercompco.com)**

Manual #: 700030-N

## Table of Contents

<b>INTRODUCTION .....</b>	<b>3</b>
SPECIFICATIONS .....	4
<i>Controls</i> .....	4
<i>Electrical</i> .....	4
<i>Performance</i> .....	4
<i>Environmental</i> .....	4
<i>Physical</i> .....	4
<b>OPERATIONS.....</b>	<b>5</b>
DISPLAY DESCRIPTION.....	5
CONTROLS .....	5
<i>ON / OFF</i> .....	5
<i>PRINT / ACCUMULATE</i> .....	6
<i>LOCAL / TOTAL</i> .....	6
<i>ZERO</i> .....	7
REMOTE CONTROL.....	8
<b>TOTALIZING SETUP .....</b>	<b>9</b>
<b>SERIAL OUTPUT SETUP .....</b>	<b>10</b>
ON-DEMAND .....	11
CONTINUOUS .....	11
<i>Data Format</i> .....	11
ACCUMULATING PRINT.....	11
<b>WEIGHING PROCEDURES .....</b>	<b>12</b>
<b>USING ACCUMULATED TOTAL .....</b>	<b>13</b>
PROCEDURE:.....	14
<b>CALIBRATION.....</b>	<b>15</b>
CALIBRATION ENABLE JUMPER.....	15
CALIBRATION MENU.....	16
SETTING THE PARAMETERS.....	17
<i>Multiple Graduation Break Points</i> .....	17
WEIGHT CALIBRATION.....	19
<b>ERROR MESSAGES .....</b>	<b>21</b>
<b>CONNECTOR .....</b>	<b>22</b>
<b>HOW TO REACH INTERCOMP .....</b>	<b>23</b>

## Introduction

This operations manual describes the Intercomp Model LP600 low profile platform specifications, detailed operating procedures, and calibration.

This manual is separated into several sections, each containing information on a different aspect of the platform. The specifications outline the design parameters for the scale. The detailed operation section outlines the correct use of the scale for most applications. The calibration section explains how to set the platform's adjustments.

**Caution:** Your LP600 scale is covered by a one year warranty and should be referred to the factory for maintenance within the warranty period. Attempts to make any extensive repairs within the warranty period may invalidate the warranty. If repairs are needed after the warranty period, only qualified technicians should attempt such repairs.

### Features

Independent weight readout on each platform.

lb or kg programmable readout.

Ability to display total weight.

Accumulating total function.

Auto zero tracking automatically corrects zero-weight display shifts.

5 digit, 1 inch LCD readout, with automatic back lighting.

12 VDC and 120 VAC 60 Hz power sources standard.

RFI/EMI protection.

Low battery detection with automatic shutoff to protect batteries.

Built-in self-diagnostics to check:

- memory

- display

- power supply.

Weigh pads manufactured from high strength aluminum alloys.

### OPTIONS

220 VAC 50 HZ power source.

Carrying cases for weigh pads and platform scales.

## Specifications

### Controls

General	On/Off, Print/Accumulate, Local/Total, Zero
Display	5 digit, 1 inch liquid crystal display (LCD), with automatic red LED back lighting.
Indicators:	local weight, total weight, accumulated total weight

### Electrical

Power source required	12-20 VAC or DC, 120 VAC, optional 240 VAC.
Charging Voltage	12 volts to 20 volts AC or DC.
Batteries	6-AA size Nickel-Cadmium or alkaline cells.
Charging Current	50 mA.
Charging Time	16 hours if the batteries are discharged.
Battery endurance	10 hours of continuous use with Ni-Cads.
Filtering	6 Pole, 10 Hertz low pass.
Auto-Zero	Satisfies all HB-44 requirements.

### Performance

Speed	2 seconds to typical reading (static).
Accuracy	$\pm 0.1\%$ of reading or $\pm$ display graduation, whichever is greater.
Calibration interval	Twelve months recommended

### Environmental

Humidity	10 to 95% Non-Condensing.
Temperature	Operating: -28 C to +65 C. / -20 F to +150 F.
	Storage: -40 C to +75 C. / -40 F to +170 F.
EMI/RFI	Meets Mil Spec 461

### Physical

Dimensions	Overall (w/ skid guard): 33.25" X 18.5" X 2.25" 845mm X 470mm X 57mm
	Overall (no skid guard): 33.25" X 16" X 2.25" 845mm X 406mm X 57mm
	Platform: 22.5" X 15.0" / 569 mm X 381 mm
Weight	44 lb / 20 kg

## Operations

The control panel for the weighing platform is in the front section of the pad, along with the electronics of the system. The control panel has a liquid crystal display (LCD) screen and several control switches.

### Display Description

The display is a Liquid Crystal Display unit, providing one line of 5 digits. The screen shows the weights read from the pad. Information displayed includes segments that identify local weight, total weight, or accumulated total weight. The display contains an automatic backlight for use in low-light conditions.



## Controls

### ON / OFF

Press and hold this key to apply power to the weighing system electronics. Make sure to hold this key until the display responds (up to 1 second). When power is first applied, the weighing system rapidly performs self-tests of the pad and the internal electronics. When the tests have completed successfully, the system begins weighing. If a problem is detected, the screen displays an error message.

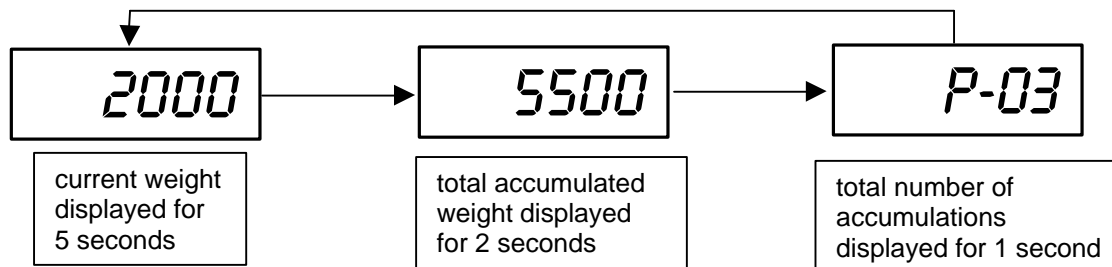
If the LP600 is powered up, press this button to turn the scale off. The LP600 retains the setup information, and calibration in a special memory device (non-volatile memory) that is not affected by power loss or battery condition.

## PRINT / ACCUMULATE

Press this button to print. When using the accumulated total function: press the PRINT / ACCUMULATE button to add the total to the accumulated total. See section titled "Using Accumulated Total".

New accumulated total = total weight (all scales in system) + old accumulated total

Once a successful accumulation has occurred, the scale will automatically toggle its display to show the current weight, accumulated total, and number of accumulations.



To return to the standard current weight display, clear the accumulated total by pressing and holding ZERO until the display shows "-H-".

The scale will not accumulate and will display the error message "E-1" if the current weight is negative, zero, or if the weight is in motion. Also, after a successful accumulation the scale must return to zero before you accumulate the next weight. If you attempt to accumulate the next weight before allowing the scale to return to zero, the error message "E-1" will be displayed.

## LOCAL / TOTAL

The local weight is the weight on that scale only. The total weight is the weight on all of the scales in your system. Pressing the LOCAL / TOTAL button toggles between local weight and total weight. The indicator bars (shown on page 5) will show whether the scale is displaying the local or total weight.

Note: If the system is not set up correctly the "-L-" error message will be displayed when trying to switch to total display. See section titled "Totalizing Setup".

## **ZERO**

Sets the weighing system to read zero pounds or kilograms. If pressed while a pad holds weight, that weight becomes the zero condition for the pad. This can be useful to cancel the weight of any weighing fixtures, such as tail cones or wheel chocks. When the weight is removed, a negative weight displays until the system is re-zeroed. This switch is used any time the scale shows a non-zero value with no weight on the pads. Please note that this system contains a feature called Auto Zero Tracking (AZT), which corrects for slight zero changes during normal operation. An example of a zero change could be a buildup of dirt on the pads.

Note: When you press ZERO on an LP600 scale, all other LP600s you have connected will also be zeroed through the interconnect cables. This allows you to zero your entire system with one key press.

## Remote Control

Please note: The keys that you press on the remote control may affect more than one scale (if you have more than one scale in your system).

### **POWER**

Press this key to turn the scale off and on. To turn the scale on, you must press the POWER key *twice*.

Note: The scale must be initially powered up with the ON key on the scale; then the POWER key may be used on the remote control.

### **ZERO**

This key functions exactly as the ZERO key on the scale.

### **Numeric keypad (0-9)**

Use the number keys 0-9 whenever you are at a screen requiring you to enter a number.

### **CLEAR**

Used when entering a number. Clears the entry to '000000'.

### **ENTER**

Used when entering a number. Press ENTER to finish your numeric entry.

### **F1**

Press this key to enter into calibration mode and scroll through the calibration menu. This key is only active when the cal shunt on the scale's circuit board is moved to "CAL". See section titled 'Calibration Enable Jumper' for details.

### **LOCAL**

Press the LOCAL key to view the local weight.

### **TOTAL**

Press the TOTAL key to view the total weight in the scale system.

### **ACCUM**

Press the ACCUM key to add the total to the accumulated total.

### **PRINT**

When the scale is in "on-demand" print mode, press the PRINT key to print the local or total weight (depending on which mode you're in). See section titled 'Serial Output Setup' for the serial output options.

### **BACKLIGHT**

Press the BACKLIGHT key to toggle the backlight on or off.

## Totalizing Setup

The LP600 scales must be setup correctly in order to communicate. If the system is not setup correctly, the error message “-L-” will be displayed when trying to view the total weight.

1. To enter into totalizing setup: Simultaneously press the LOCAL/TOTAL and ZERO buttons.
2. A number will be displayed with 3 dashes following it. This is the scale number. Use the LOCAL/TOTAL button to increment and the ZERO button decrement the number. When the desired number is displayed, simultaneously press the LOCAL/TOTAL and ZERO buttons. If you entered a '01' for the scale number the display will show three dashes and then a number. This number is the total number of scales in the system (proceed to instruction 3). If you did not enter '01' for the scale number the scale will return to normal mode.
3. Enter the total number of scales. Use the LOCAL/TOTAL button to increment and the ZERO button decrement the number. When the desired number is displayed, simultaneously press the LOCAL/TOTAL and ZERO buttons. Maximum number of scales is 32.



*Example:*

*Setup for one axle:* On the first scale, enter '01' for the scale number and enter '02' for the total number of scales. On the other scale, enter '02' for the scale number.

*Example:*

*Setup for three axles:* On the first scale of the first axle, enter '01' for the scale number and enter '06' for the total number of scales. On the second scale of the first axle, enter '02' for the scale number. On the first scale of the second axle, enter '03' for the scale number. On the second scale of the second axle, enter '04' for the scale number. On the first scale of the third axle, enter '05' for the scale number. On the second scale of the third axle, enter '06' for the scale number.

When the LP600 scale is powered up, the scale number and the total number of scales is displayed momentarily.

4. The scale's print setup must be set to "accumulating print" in order for the totalizing function to work. See the next section titled "Print / RS232 Setup" to set the scale to "accumulated print".

## Serial Output Setup

There are three different serial output modes for the LP600, “on-demand”, “continuous”, and “accumulating print”. See page 11 for more information on these modes.

**To setup the serial output mode:** Press and hold the PRINT / ACCUMULATE button for a couple seconds until the display shows “-H- “. The display will show “ P-X “ (X is the number that corresponds to the print mode the LP600 is currently set to). Press the PRINT / ACCUMULATE button to scroll through the menu as shown below:

Communication Mode	Setting
On-Demand	P-0
Continuous	P-1
Accumulating Print	P-2

**Notes:** For best results, only set **one** scale to ‘P-1’ or ‘P-2’. This should also be the scale you are printing from.  
‘P-0’ is the default setting.

To save the setting, press and hold the PRINT / ACCUMULATE button for a couple seconds until the display shows “-H- “. Now the display will show what the current baud rate is. To change the baud rate, scroll through the menu by pressing the PRINT / ACCUMULATE button. The baud rates available are: 1200, 2400, 4800, 9600, 19200, and 38400. When the desired baud rate is displayed, press and hold the PRINT / ACCUMULATE button for a couple seconds until the display shows “-H- “. The baud rate only needs to be set on the scale doing the printing.

## On-Demand

The weight is transmitted every time the PRINT / ACCUMULATE key is pressed. Press PRINT / ACCUMULATE to print either the local or total weight (depending on the local / total setting of the scale). This is the default print mode.

## Continuous

The LP600 automatically and continuously outputs the weight at a rate of about once per second.

### Data Format

When the serial output is set to either on-demand or continuous mode, the transmitted data is in the format shown below:

AAAAAAA BB<cr><lf>

Item	Meaning	ASCII Hex	ASCII Decimal
AAAAAAA	weight		
BB	units "lb" or "kg"		
<cr>	carriage return	0D	13
<lf>	linefeed	0A	10

The AAAAAAA field will vary in length depending on the length of the number and could contain a decimal point and/or a minus sign

## Accumulating Print

The accumulated total feature is enabled. See section titled "Using Accumulated Total".

## Weighing procedures

The LP600 platforms can be used separately, in pairs, or in groups of 4, 6, or more to measure a support load, wheel load, axle load, axle group load, or the total weight of a multi-axle truck in one measuring procedure.

Ideally, all wheels of a vehicle should be measured at the same time in order to avoid measuring errors due to the suspension system.

If you are not able to weigh the wheels of a tandem or triple axle simultaneously, the difference in height must be compensated for by using dummy plates (grids, wood or rubber plates) of the same height. The wheel load scales are put in front of the wheels of a vehicle, the driver then drives on the scales/plates and stops within the active weighing area. To avoid improper weighing which might be caused by wheel or axle load displacements, the vehicle brakes should be released before reading the weight values.

### NOTES:

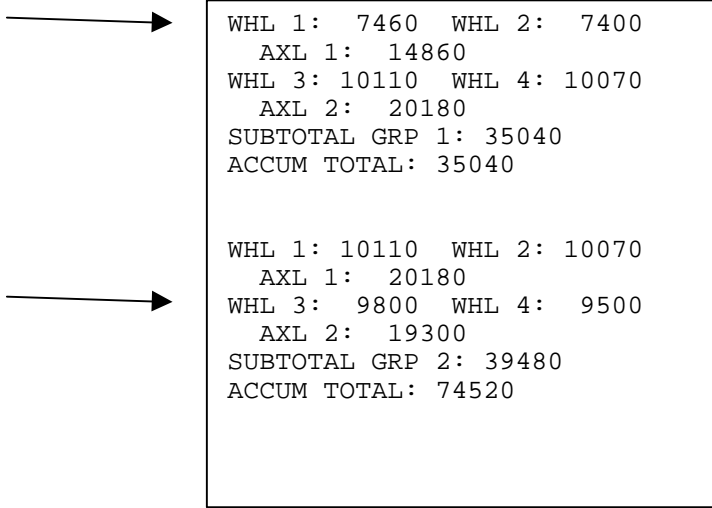
1. It is recommended to weigh the wheels of one axle at the same time.
2. The dummy plates can be omitted if the scales are embedded in recesses in the road surface at the same levels as the road surface.

## Using Accumulated Total

To use the Accumulated Total feature, the scales need to be numbered correctly and the scale you intend to print from or display the accumulated total must have its print mode set to 'Accumulating Print'. See the "Totalizing Setup" section for details.

Press the PRINT / ACCUMULATE button to add the current total weight to the accumulated total weight. At the same time, a print ticket will be generated (assuming you have a printer in the system). The following print ticket example is a 4 scale system:

PRINT / ACCUMULATE  
button has been pressed



```
WHL 1: 7460   WHL 2: 7400
  AXL 1: 14860
WHL 3: 10110  WHL 4: 10070
  AXL 2: 20180
SUBTOTAL GRP 1: 35040
ACCUM TOTAL: 35040
```

PRINT / ACCUMULATE  
button has been pressed

```
WHL 1: 10110  WHL 2: 10070
  AXL 1: 20180
WHL 3: 9800   WHL 4: 9500
  AXL 2: 19300
SUBTOTAL GRP 2: 39480
ACCUM TOTAL: 74520
```

To clear the accumulated total weight, press and hold the ZERO button until the display shows "-H-".

The accumulated total weight can be viewed on only the scale you are accumulating from. After the PRINT / ACCUMULATE button is first pushed; the display will automatically toggle between the local weight (or current total weight) and the accumulated total. The **local (or total) weight** is displayed for about 5 seconds and **accumulated total weight** is displayed for about 2 seconds. When the accumulated total is displayed, the accumulated total indication bar will be lit up (as shown on page 5).

*continued on next page*

## Procedure:

1. With you system setup correctly, decide which scale you will accumulate from. This can be any scale, but once you choose, you must only accumulate with that scale until the vehicle weighing is complete. If you are using a printer, select the scale directly connected to the printer.
2. With the vehicle's first group of axles stable on the scales, press the PRINT / ACCUMULATE button. This first group's weight will become the accumulated total, which will now begin to toggle on the display. If you are using a printer, a print ticket with all weights will now be printed.
3. With the vehicle's next group of axles stable on the scales, press the PRINT / ACCUMULATE button. This will add the weight of this group of axles to the accumulated total. If you are using a printer, a print ticket with all weights will now be printed.
4. Repeat step 3 for any remaining axles on the vehicle.
5. When finished, you may clear the accumulated total weight by pressing and holding the ZERO button until the display show "-H-". The display will quit flashing the accumulated total. This confirms the accumulated total is reset to zero.

**Note:** The scale will not accumulate when the weight is negative, zero, or if the weight is in motion. Also, an error message "E-1" will be displayed if any of those conditions are met. After a successful accumulation the scale must return to zero before you accumulate the next weight. If you attempt to accumulate the next weight before allowing the scale to return to zero, an error message "E-1" will be displayed.

## Calibration

**Notice:** The LP600 scale is calibrated by the factory prior to shipment.

**Note:** The calibration will be most accurate if calibration loads are applied to LP600 platform through a metal block (Dimensions: 10" x 17" x 2"), separated from the platform by a thick piece of hard rubber (Dimensions: 10" x 17" x 0.5", durometer type A 40-70); this setup best simulates the load applied by a tire.

### Calibration Enable Jumper

To access the calibration mode the shorting strap labeled "RUN/CAL", located on the top-middle of the circuit board (Intercomp, A/D 20 BIT rev D), must be moved from shorting pins 2 and 3(RUN); to shorting pins 1 and 2(CAL). Following calibration, replace the strap to shorting pins 2 and 3(RUN); and the set up of the scale is protected from being changed.

## Calibration menu

To initiate calibration press the internal calibration switch and release. The display will show a 'EE-EE', if it does not the calibration strap is incorrectly placed to allow calibration.

At times it will be necessary to enter up to a five digit number. When this is necessary the current number will be displayed with the right most digit flashing. The flashing digit may be incremented by pressing the **ZERO** key. To move one digit to the left press the **LOCAL/TOTAL** key. When you have finished entering a number press the internal **CAL** switch.

Step	Function	Note	Default
<i>EE-EE</i>	skip	0= no skip, 1= skip to HH-00	0
<i>EE-01</i>	cell number	1 to 42	1
<i>EE-02</i>	auto-off	0= off, 1 to 120 minutes	60
<i>EE-03</i>	grad break point 1	enter weight	99999
<i>EE-04</i>	grad break point 2	enter weight	99999
<i>EE-05</i>	grad break point 3	enter weight	99999
<i>EE-06</i>	sample rate	1 to 31	1
<i>EE-07</i>	update rate	1 to 20	4
<i>EE-08</i>	AZT (auto zero tracking)	0= off, 1= 0.6, 2= 1, 3= 3, 4= OIML specifications	2
<i>EE-09</i>	zero range	0= off, 1= 1%, 2= 2%, 3= 5%	0
<i>EE-10</i>	lb/kg wakeup	0= lb, 1= kg	0
<i>EE-11</i>	graduation size	0 to 11	6
	SAVE		
<i>HH-00</i>	zero read	enter capacity	
<i>HH-01</i>	first weight	enter first weight	
<i>HH-02</i>	second weight	enter second weight	
<i>HH-03</i>	third weight	enter third weight	

## Setting the Parameters

1. The scale shows 'EE-EE'. Press the **CAL** switch located inside the control panel front. To go through all of the calibration parameters, enter 0. To skip the first 10 calibration parameters and proceed to HH-00 enter 1.
2. The scale shows 'EE-01'. Press the **CAL** switch.
3. Enter the **cell number**. The cell number is normally set to 1; if the scale is to be hooked up to a AC-100 CPU each scale must be numbered. Valid cell numbers are 1 to 42.
4. The scale shows 'EE-02'. Enter the **auto-off** time. Enter the auto off time in minutes (0 to 120). The auto off time is how long the scale will remain ON without any activity (a key being pressed or a change in weight). An entry of 0 turns the auto off feature OFF.

## Multiple Graduation Break Points

The LP600 has the ability to have multiple graduation values set. The next three entries (EE-02, EE-03, and EE-04) are the pound weight values at which the graduations increase. As an example:

EE-09 = 9 (Initial graduation equals by 0.1 lb)
HH-00 = 10000 (Capacity equals 10,000 lb)
EE-02 = 1000
EE-03 = 2000
EE-04 = 5000

The scale would then display the following:

up to 1000 lb	by 0.1 lb;	up to 453.55 kg	by 0.05 kg
1000+ to 2000 lb	by 0.2 lb;	453.55+ to 907.1 kg	by 0.1 kg
2000+ to 5000 lb	by 0.5 lb;	907.1+ to 2267.8 kg	by 0.2 kg
5000+ lb	by 1.0 lb;	2267.8+ kg	by 0.5 kg

To disable the breakpoints the graduation break points should be set to 110% of the capacity. The scale uses the same graduation from zero to capacity. This turns off the breakpoint feature.

5. The scale shows 'EE-03'. Press the **CAL** switch. Enter the **first graduation** break point.

6. The scale shows 'EE-04'. Press the **CAL** switch. Enter the **second graduation** break point.
7. The scale shows 'EE-05'. Press the **CAL** switch. Enter the **third** and final **graduation** break point.
8. The scale shows 'EE-06'. Press the **CAL** switch. Enter the **sample rate**. The sample rate is the number of past readings that are averaged together to make a reading.
9. The scale shows 'EE-07'. Press the **CAL** switch. Enter the **number of cycles** between screen updates.
10. The scale shows 'EE-08'. Press the **CAL** switch. Enter the **AZT** (automatic zero tracking) size from the table below. If the displayed weight is less than the number of grads shown for a given amount of time the weight will be zeroed off. Set AZT to '4' to make the LP600 scale OIML compliant.

Number	Value
0	Off
1	0.6 grad
2	1.0 grad
3	3.0 grad
4	0.5 grad (OIML specs)

11. The scale shows 'EE-09'. Press the **CAL** switch. Enter the **zero range** from the table below. The zero range is the percentage the zero can move from the original zero obtained at calibration. The zero button will not work if outside the zero range; and the error message, "OL" will show if the zero range is set to 1, 2, or 3.

Number	Amount
0	Off
1	1%
2	2%
3	5%
4	1%, no error message
5	2%, no error message
6	5%, no error message

12. The scale shows 'EE-10'. Press the **CAL** switch. Select the **units** the scale will turn 'on' in. If you intend to calibrate, this will also set the units you will calibrate in.

Number	Unit
0	Pounds
1	Kilograms

13. The scale shows 'EE-11'. Press the **CAL** switch. Enter the **initial graduation size** from the table below.

Number	lb	kg
0	100	50
1	50	20
2	20	10
3	10	5
4	5	2
5	2	1
6	1	0.5
7	0.5	0.2
8	0.2	0.1
9	0.1	0.05
10	0.05	0.02
11	0.02	0.01

At this point (HH-00), any changes made are saved in memory and the scale can be turned off without proceeding into calibration. The changes made are used along with the previous calibration.

To calibrate the AD Board contained within the scale; no weight and three load weights need to be applied. This multiple point calibration allows the unit to weigh more accurately; by removing undesirable characteristics of load cells. The scale will now ask you for the four weight readings in the order no load, load one, load two, and load three. Make sure you know what the unit setting ('E-10') has been saved to, lb or kg.

## Weight Calibration

A typical weight calibration is a three point calibration. This means three different and optimal loads are applied and entered (not including the zero point). If you do not conveniently have the three different weights available, you may also use one or two point calibration. To calibrate with one point, simply turn off the scale after completing step 17 as listed below. To calibrate with two points, turn off the scale after completing step 19 as listed below.

14. The scale shows 'HH-00'. Press the **CAL** switch. Enter the capacity of the scale.
15. The scale shows 'LL-00'. With no weight applied to the scale press the **CAL** switch.
16. The scale shows 'HH-01'. Press the **CAL** switch. Enter the value of the first load to be applied.
17. The scale shows 'LL-01'. With the first load applied to the scale press the **CAL** switch.

18. The scale shows 'HH-02'. Press the **CAL** switch. Enter the value of the second load to be applied.
19. The scale shows 'LL-02'. With the second load applied to the scale press the **CAL** switch.
20. The scale shows 'HH-03'. Press the **CAL** switch. Enter the value of the third load to be applied.
21. The scale shows 'LL-03'. With the third load applied to the scale press the **CAL** switch.
22. The scale returns to normal weighing. The calibration is now saved. Return the calibration enable jumper to it's original position to prevent accidental entry into the calibration menu.

### ***Finished***

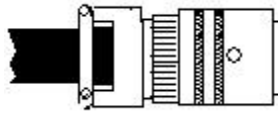
This concludes calibration and the display will return to normal weighing. If at any point during the calibration process the scale is turned off the new calibration information will be lost. The scale will continue to use the old calibration information to weigh. The new calibration information is saved and used only if the entire process is completed.

## Error Messages

Message	Meaning
<i>EEPE</i>	Error reading EEPROM memory. If this error message occurs at power-up, turn scale off and then back on. If the error message persists, the calibration information may be lost or corrupted in which case the scale will then require calibration.
<i>OL</i>	Zero out of range. This message can occur only when the 'Zero range' is turned on. See EE-9 in the 'calibration' section.
<i>LB</i>	Low battery voltage. This message blinks, and if ignored too long the unit will shut itself off.
<i>OE</i>	Overload or A/D out of range. Reduce the load to the scale. If the scale continues to display "OE", the problem could be a bad load cell, bad load cell wiring, or a bad chip on the AD 20-bit board.
<i>DISE</i>	Number can't be displayed (such as -99999). If no weight on the scale, press zero to return the weight reading to zero.
<i>-L-</i>	Communication problem. Check interconnect cables. Make sure everything discussed in the section titled "Print / RS232 output Setup" is correct.

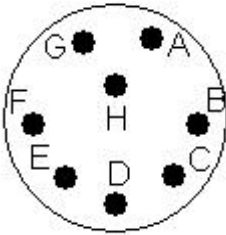
## Connector

The diagram below shows the pin-out for the PT connector on the side of the LP600:



***PT connector***

- A:** RS-485 A
- B:** TXD (RS232)
- C:** - Charging Voltage
- D:** none
- E:** +Charging Voltage
- F:** Ground
- G:** RS485 B
- H:** none



## How to reach Intercomp

Things to know:

Inform the Service Dept. that the product is a LP600 scale.

When was the scale purchased?

Where was the scale purchased?

For Intercomp Service call or fax:

FAX # (763)-476-2613

(763)-476-2531

**1-800-328-3336**

or fill out Service Support Form at :

[www.intercompco.com](http://www.intercompco.com)

Copyright Intercomp Company© 2003, 02, 01

ALL RIGHTS RESERVED