



CLASS III CERTIFICATE  
#00-091

# LP600™

## DIGITAL WHEEL LOAD SCALE

ISO 9001:2000  
Registered



Infrared  
Remote  
Control



### *The Low Profile, Lightweight, Digital, Self-Contained, High-Capacity Wheel Load Scale From Intercomp!*

The LP600 scale is designed to maximize legal payloads with concern for violations and reduction of maintenance due to overload stress on equipment.

Weighing a mere 49 lb/22 kg and only 1.5"/38 mm high, this sturdy, all aluminum, fully electronic, self-contained wheel load scale is capable of weighing loads up to 30,000 lb/15,000 kg with an accuracy of  $\pm 1\%$ .

The scale is fully battery operated and only requires infrequent recharging from a 12, 110, or 220 volt power source. A charger is provided.

Compact, hand-held infrared remote control enables user to control all functions of the scale from a standing position. Jumbo size 1"/25 mm LCD display is readable from 25 feet/8 meters and automatically illuminates during use in low-light conditions.

For the purpose of obtaining an axle weight, it is possible to interconnect up to 32-LP600 scales. You can view the wheel or total weight of all interconnected scales at any location. Axle and axle group weights can be accumulated by using two or more scales. The scales are linked at the I/O terminal jack with an optional cable.

The I/O terminal can also transmit pertinent data to a printer or a display, such as *Intercomp's* S400HI ultra bright digital display. Also available are optional carrying cases that exceed government specifications.

*We invite your most exacting questions on the capabilities of the LP600 Wheel Load Scale.*

## General

# LP600 DIGITAL WHEEL LOAD SCALE

This scale is certified as a NTEP class IIII weighing device.

**Data Interface:** RS232, RS485

**Batteries:** 6 -1.2 volt ni-cads (standard), or alkalines

**Battery Life:** Approximately 1 year  
(1500 charge/discharge cycles)

**Battery duration between charges:**

Approximately 25 hours of continuous use before the scale shuts itself off (These numbers are lowered by the use of the lamps or active current loop transmission)

**Charging Voltage:** 11.5 volts - 14.5 volts D.C.  
Protection is provided for accidental reversal of the charging connections

**Charging Current:** Starts at 300mA and drops down to 50mA after 8 hours

**Charging Time:** 8 hours if the batteries are discharged to the point of turning off the scale

**Accuracy:** ±1%

**Operation:** Infrared remote control or pushbutton



*LP600 System with Notebook Computer, Battery Operated Sheet Printer and Carrying Case.*

### Options:

- Ramps
- Notebook Computer with Axle Weight Software
- Interconnect Cables for Totalizing and Printing Weights
- Weigh Pads (less indicator) for Tying Into Remote Indicator
- 220 volt 50Hz Battery Charger
- 2, 4, or 6 Weigh Pad Carrying Cases
- Dummy Weigh Pads for Leveling
- Printers for Printouts of Wheel, Axle, Axle Group, GrossWeight, Time and Date, etc.
- PT20 Axle Weigher CPU
- Factory Mutual
- PT Axle Weigher Indicator

### "ACCUMULATE" Feature Printout

```
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

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
```

## Specifications

### AMBIENT

**Humidity:** 10 to 95% Non-Condensing

**Temperature:**

Operating -20° to 150°F / -28° to 65°C

Storage -40° to 170°F / -40° to 75°C

**EMI/RFI:** Meets Mil Spec 461

### PHYSICAL

**Overall**

**Dimensions:** 1.5 x 30 x 16 inches / 38 x 762 x 406 mm

**Platform:** 22.4 x 15 inches / 569 x 381mm

**Weight:** 49 lb / 22 kg.

**Base &**

**Platform:** Aerospace grade billet aluminum

**Display:** 1 inch / 25 mm LCD

### ELECTRICAL

**Voltage:** Self-contained nickel cadmium batteries. Integral recharger to charge or operate from a 12, 110, or 220 volt power source

### OUTPUTS

**Axle Totalizing:**

Transmits weight to another scale for totalizing individual axles. Will totalize axles, tandem axles or wheel groups

**Printers:** RS232 or RS485 output to interface with a remote printer or display

### CONTROLS

**General:** All controls are located on a waterproof keypad with large stainless steel switches

**On/Off:** Pushbutton On/Off

**Zero/Test:** Pushbutton zero checks for motion to HB-44 Test performs internal test

**Local/Total:** Displays local weight or group total

**Print/Accumulate:** Prints or accumulates displayed weights

Patents 4,813,504 and 4,979,581.

Specifications subject to change without notice. LP600™ is a trademark of Intercomp Company.

### INDICATORS

**Battery:** Low battery

**lb/kg:** Unit of measure

**Local/Total:** Local weight or total of selected scales

**Accumulated**

**Total:** Total of all accumulated weights

### FILTERING

**Analog:** 6 pole, 10 hertz low pass

**Digital:** Average of several internal weights gives steady readings for unstable load

**Auto-Zero:** Satisfies all HB-44 requirements

### PERFORMANCE:

**Speed:** 950 milliseconds to typical reading (static)

**Accuracy:** ±1% of reading static mode

**Units:** lb, kg, programmable

### Capacities:

30,000 lb/15,000 kg

20,000 lb/10,000 kg

10,000 lb/5,000 kg

5,000 lb/2,500 kg

### Graduations:

50 lb/20 kg

5, 10, 20, 50, 100 lb/

2, 5, 10, 20, 50 kg

2.5, 10, 20, 50 lb/

1, 2.5, 10, 20 kg

1, 2.5, 10, 20 lb/

0.5, 1, 2.5, 10 kg

Other capacities and graduation sizes available.

Safe Overload: 150% of capacity.

