

Intercomp LP600™

The Low Profile, Light-Weight, Digital Self-Contained, High-Capacity Wheel Load Scale



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 44 lb / 20 kg, this sturdy, all aluminum, fully electronic, self-contained wheel load scale is capable of weighing loads up to 20,000 lbs and more, with an accuracy of ± 1%.

The scale is fully battery operated and only requires infrequent recharging which can be accomplished by any 12, 110, or 220 volt power source. A charger adaptor is provided.

Jumbo size 1" / 25mm LCD display is readable from 25 feet/8 meters. For night use its auto backlight illuminates the display area.

It is possible to sequentially couple any number of LP600™ scales in series, for the purpose of obtaining the total weight of a vehicle. The scales are linked at the I/O terminal jack with an optional cable.

The I/O terminal will also transmit required data to a printer or a display, such as Intercomps S400HI ultra bright digital display.

Also available are optional carrying cases that exceed government specifications.

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

General Information

This scale is certified as a NTEP class III weighing device. This scale can be used while it is charging.

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 8 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.

Scale Weight: 44 lb / 20 kg. All metal case provides EMI/RFI immunity. Accuracy: ±1%

Options:

Notebook Computer with axle weight software.

Ramps

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, gross weight, time and date, etc.

PT Axle Weigher Indicator

Specifications

Ambient:

Humidity: 10 to 95% Non-Condensing

Temperature:	Operating	-28°C to 65°C
		-20°F to 150°C
	Storage	-40°C to 75°C
		-40°F to 170°F

EMI/RFI: Meets Mil Spec 461.

Other capacities and graduation sizes available. Safe Overload: 150% of capacity.

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: 44 lb / 22 kg.

Case: Aerospace grade billet and cast aluminum.

Display Size: 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: Two separate switches for unambiguous operation.

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

lb/kg: Sets unit of measure

Indicators:

Battery: Low battery

lb: Unit of measure

kg: Unit of measure

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, selectable.

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:

50,100 lb / 10,20,50 kg

10,20,50,100 lb / 5,10,20,50 kg

5,10,20,50 lb / 2,5,10,20 kg

2,5,10,20 lb / 1,2,5,10 kg