

# Model 7820B

## Portable Bench Scale



- **Battery Operated**– Rechargeable sealed lead-acid battery installed with each unit
- **Weight Hold**– Two weight hold operating modes available
- **Backlit Display**– 6-digit backlight display with 3 operating modes available for battery life conservation
- **Rugged Construction**– Die-cast base and loadbridge, stainless steel shroud
- **Portable**– Carrying handle makes it easy to move from one location to another

# Model 7820B Portable Bench Scale

## Features

**Construction**– Stainless steel weight platter, die cast aluminum base and loadbridge, aluminum handle

**Remote Display**– 6-digit backlit display housed in an extruded enclosure with a 1.5" cable assembly with RJ45 connector. Includes 6" magnetic strip.

### Remote Display Enunciators–

**Zero**- Indicates the scale is at zero weight

**Hold**- Indicates the weight hold feature is active

**AC Power**- Indicates AC Power is connected to the scale and charging the battery

### Remote Display Controls–

**Zero Key**- Includes 2% Auto Zero tracking or manual push button to reestablish zero reference. Turns the scale OFF, when operated via battery.

**Hold Key**– Enables or disables weight hold feature. Enters into backlit and weight hold setting configuration.

### Weight Hold Settings–

**Single**- Allows you to hold the parcel weight on the display for one parcel

**Auto**- Allows you to hold the parcel weight on the display for unlimited parcels

**Sealed**- Some states may not accept weight hold in NTEP approved applications. The sealed mode disables the weight feature.

### Backlit Settings–

**Auto**- Back light turns off after 5 seconds of non use

**On**- Back light is always on

**Off**- Back light is always off

### Battery Conservation–

**Sleep**- After 5 minutes of non-use the scale will enter into sleep mode. Pressing the zero key will re-activate the scale.

**Auto Shutdown**- After 1 hour of non use the scale will shutdown. Pressing the restart button will re-start the scale.

**Restart Button**– While in battery operation mode, the restart button (located on the rear of the scale) turns on the scale

**Hard Wired Battery Cable**– Battery cable is hard wired to main PCB, no external connections

### Battery Life–

Stored, no use - 14 days

Back light Off - 40 hours

Back light On - 12 hours

Back light Auto - 24 hours

Re-charge time - 8 hours

Re-charge cycles - 400 minimum

**RS-232 Interface**– 9-pin using Standard NCI protocol

**Field Calibration**– Alternate span points, 10 or 50 lb, can simplify field calibration. Can be set up either in decimal pound or kilogram.

## Specifications

### Capacity (lb)

200 x 0.05 lb

### Capacity (kg)

100 x 0.02 kg\*\*

Note: Rounding method is scale

\*\* Metric Weighing can be configured in the field during calibration

**Internal Resolution**– 1 part in 120,000

### Dimensions–

12" x 19.5" x 4.6" (318 mm x 495 mm x 117 mm) standard configuration

12" x 14" x 4.1" (318 mm x 358 mm x 104 mm), no handle

### AC Power– Inline Transformer, UL/CSA Approved

Input: 120 VAC (+10%-15%), 60Hz standard 3-wire ground

Output: 14 VDC (min) @ 730 mA

DC - 12 VDC/1.3AH Sealed lead acid battery

### Operating Environment–

Temperature: 42° F to 104° F (5° C to 40° C)

Relative Humidity: 10 to 95% (non-condensing)

### Input/Output–

RS-232, bi-directional, configurable 1200-19.2K. Transmits weight and scale status whenever a "W" <CR> is sent by remote device.

**Scale Weight**–16 lb, standard configuration

**Shipping Weight**– 24 lb, standard configuration

**Approvals**– NTEP Class III, 4,000d CC #95-070



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