

Model 7820B

Portable Bench Scale



NCI Model 7820B



- **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

Dimension:

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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