

# Model 7880

## Bench Scale



*NCI Model 7880 shown with optional ball-top platter*

- **Capacity**– 150 lb x 0.05 lb (75 kg x 0.02 kg);  
250 lb x 0.05 lb (100 kg x 0.02 kg);  
300 lb x 0.1 lb (150 kg x 0.05 kg)
- **Display**– 1/2" high, 6 digit LCD
- **Power**– AC power
- **Construction**– Stainless steel weight platter, painted mild steel base enclosure
- **Operator Keys**– Zero and Test

# Model 7880 Bench Scale

## Features

The Model 7880 Bench Scale provides the most accurate and reliable weight measurement for static or in-line shipping. The weighing solution for any application requiring a durable bench scale.

**Display Controls**– ZERO: Includes Auto Zero Tracking or Manual push button to re-establish zero reference. TEST: Runs a diagnostic test to ensure scales is fully functional, and allows a real-time view of internal settings.

**Construction**– Stainless steel weight platter, painted mild steel base enclosure

**Field Calibration**– Alternate span points can simplify field calibration by using less than full capacity weights. Can be setup as either decimal pound or kilogram.

**RS-232 Cable**– Included with each scale, DB 9-pin, null modem, female connector allows you to connect to a PC

**Emulation Protocols**– Standard NCI default with field configurable settings of 8213, 3835, SMA, and Auto Weight Send. This allows you to select compatible scale communication settings or scale drivers during field installation when interfacing with shipping software programs or host devices.

**Power Supply**– Recessed power supply with standard wall plug

**Durabridge® Technology**– Reduces overall scale deflection when a full load is applied

**Internal Display**– 1/2" H, 6 digit LCD display

## Specifications

| <b>Capacity (lb)</b> | <b>Capacity (kg)</b> |
|----------------------|----------------------|
| 150 lb x 0.05 lb     | 75 kg x 0.02 kg*     |
| 250 lb x 0.05 lb     | 100 kg x 0.02 kg*    |
| 300 lb x 0.1 lb      | 150 kg x 0.05 kg*    |

*Note: Default configuration as weight classifier.*

*\* Metric weighing can be configured in the field during calibration.*

**Dimensions**– 18" L x 18" W x 4.5" H  
457 mm (L) x 457 mm (W) x 114 mm (H)

**Power**– 120 VAC (+10% -15%), 60 Hz, standard 3-wire ground

**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 baud. Transmits weight and scale status whenever ASCII "W" <CR> is sent by a remote device

**Shipping Weight**– 45 lb (21 kg), standard configuration; 60 lb (28 kg) with ball top

**Certifications**–  
United States: NTEP #95-121  
Canada: MOI #AM-5099 Rev 1  
For use as a Class III device from +5° C to 40° C

## Options

**Ball-Top Weight Platter**– Simplifies transport of all parcels. Ideal for conveyor lines. One piece lift-off design equipped with 25 balls.

**Display Post**– 12" post for remote display

**International Power Supply**– 230 VAC, 50 Hz power supply. End of cable terminated with a universal conductor.

**Remote Display**– 6 digit LCD housed in a molded enclosure with a 7 ft cable

