

Ideal for busy, demanding parcel and shipping applications

*Technical Specification*



**Model 7840**

## DESCRIPTION

The 7840 durable 18" x 24" Bench Scale provides a fast, accurate weight reading ideal for accommodating heavy, oversize parcels or containers found in busy post, mail and shipping rooms.

Designed with a hard wearing stainless steel weight platter and a rugged powder coated carbon steel base housing that helps to fully protect the centrally mounted aluminum analog load cell from damage.

Supplied with a built-in flush fitting, six digit ½" high LCD display that is mounted centrally in the front face of the base.

An optional second remote display can be plugged in to give a customer facing weight reading.

A range of emulation protocols are available within the scale to allow you to quickly select the correct compatible communication protocol to interface with a wide range of third party post mail & shipping software programs or host devices. This will be communicated through either a serial RS232, USB (HID) or USB (VCP) port found on the rear of the base.

## SPECIFICATIONS

### COMMUNICATION

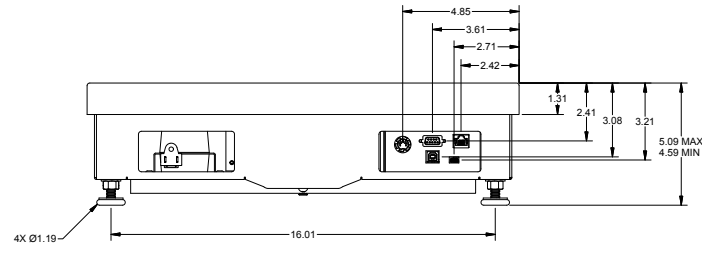
<b>Connectivity</b>	1 x RS232 (9 way female D Type connector ), 1 x USB HID (Mini USB) or 1x USB VCP (USB-Type B) 1 x 2 <sup>nd</sup> Remote display connection (RJ 45) <i>All are positioned on the rear of the base</i>
<b>Supported Protocols</b>	Standard NCI default with field configurable settings of 8213, 3835, SMA, with Auto Weight Send (1200 – 19.2K baud range) <i>Transmits weight and scale status whenever ASCII "W" &lt;CR&gt; is sent by a remote device</i>

# 7840 PARCEL SHIPPING SCALE *Technical Specification*

## DISPLAY

<b>Display Type</b>	Flush fitting six digit, ½" high LCD display. Optional 2nd remote six digit, ½" high LCD display housed in an extruded enclosure with a 7 foot cable, connected via RJ 45 connector on the rear of the scales base
<b>Number of Displays Allowed</b>	2 (1 standard, 1 remote display optional)
<b>Display Bracket Options</b>	Optional 12" high pole mounted display bracket
<b>Remote Display Housing Sizes</b>	8" x 3" x 1.5"
<b>Operational Keys</b>	ZERO: Includes Auto Zero Tracking or Manual push button to re-establish zero reference TEST: Runs a diagnostic test to ensure scale is fully functional and allows a real-time view of internal settings
<b>Units of Measure</b>	lb or kg (lb default)
<b>Incremental Selections</b>	Multiples and sub-multiples of 1, 2, 5
<b>Configurable Selections</b>	Capacity, resolution, lb or kg, filters, baud rates, protocols, auto printout, scale or post classifier <i>Default configuration is as postal weight classifier</i>
<b>Time and Date</b>	No

**Base Sizes** 18" x 24" x 4.5" (457mm x 610mm 114mm)  
Indicator on 18" side.



<b>Top Pan Construction</b>	Stainless steel weight platter Optional: Ball top weight platter (25 ball)	
<b>Base Construction</b>	Durabridge® design, with powder coated carbon steel base housing and aluminum NTEP approved analog load cell. <i>Durabridge Technology helps reduce overall scale deflection when a full load is applied</i>	
<b>Feet</b>	Lockable adjustable feet, 1" diameter with up to 1" of height adjustment	
<b>Base Capacity</b>	<b>Capacity (lb)</b> 250 lb x 0.05 lb 300 lb x 0.1 lb	<b>Capacity (kg)</b> 100 kg x 0.02 kg* 150 kg x 0.05 kg*
	<i>*Custom configuration. Metric weighing can be configured in the field during calibration</i>	
<b>Power</b>	120 VAC (+10% -15%), 60 Hz, standard 3-wire ground	
<b>Operating Environment</b>	Temperature: 42° F to 104° F (5° C to 40° C) Relative Humidity: 10 to 95% (non-condensing)	
<b>Calibration</b>	2 point calibration process (zero and span capacity) Field calibration can be carried out by using less than full capacity weights <i>Gravity compensation to allow the Local gravity to be entered for where the scale is to be used</i>	
<b>Internal Resolution</b>	1 part in 120,000	
<b>Filtering</b>	Fast or Slow	
<b>Self-Diagnostics</b>	2 level diagnostics: front panel display test or full service diagnostics ( <i>Display, RAM,ROM, input/output &amp; high resolution x10 division test</i> )	

## OPTIONS

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<b>Pole Mount</b>	12" high pole indicator stand to allow easy viewing of the indicator
<b>Ball Top Weight Platter</b>	Stainless steel, using 25 roller balls to simplify handling and transport of all parcels. One piece lift-off design for easy field retrofit

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## APPROVALS

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<b>Certifications</b>	NTEP approved for use in Class III operations, CC 95-121 Canada Weights and Measures approval CC # AM-5099 Rev1
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**Measurement  
Canada Approved**  
AM-5099 Rev 1

**Avery Weigh-Tronix**

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

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