

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

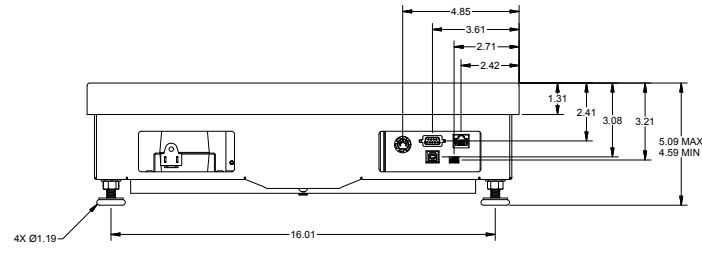
Connectivity	1 x RS232 (9 way female D Type connector), 1 x USB HID (Mini USB) or 1x USB VCP (USB-Type B) 1 x 2 nd Remote display connection (RJ 45) <i>All are positioned on the rear of the base</i>
Supported Protocols	Standard NCI default with field configurable settings of 8213, 3835, SMA, with Auto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

7840 PARCEL SHIPPING SCALE *Technical Specification*

DISPLAY

Display Type	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
Number of Displays Allowed	2 (1 standard, 1 remote display optional)
Display Bracket Options	Optional 12" high pole mounted display bracket
Remote Display Housing Sizes	8" x 3" x 1.5"
Operational Keys	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
Units of Measure	lb or kg (lb default)
Incremental Selections	Multiples and sub-multiples of 1, 2, 5
Configurable Selections	Capacity, resolution, lb or kg, filters, baud rates, protocols, auto printout, scale or post classifier <i>Default configuration is as postal weight classifier</i>
Time and Date	No

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



Top Pan Construction	Stainless steel weight platter Optional: Ball top weight platter (17 ball)	
Base Construction	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>	
Feet	Lockable adjustable feet, 1" diameter with up to 1" of height adjustment	
Base Capacity	Capacity (lb) 250 lb x 0.05 lb 300 lb x 0.1 lb	Capacity (kg) 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>	
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)	
Calibration	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>	
Internal Resolution	1 part in 120,000	
Filtering	Fast or Slow	
Self-Diagnostics	2 level diagnostics: front panel display test or full service diagnostics (<i>Display, RAM,ROM, input/output & high resolution x10 division test</i>)	

OPTIONS

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



APPROVALS

Certifications	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

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