

Avery Weigh-Tronix

7880

Parcel Shipping Scale

Ideal for busy, demanding
parcel and shipping applications

Technical Specification



Model 7880

DESCRIPTION

The 7880 durable 18" x 18" Bench Scale provides the best accurate and reliable weight measurement for static or in-line shipping applications.

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 and 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)
2nd Remote display connection (RJ 45) All are positioned on the rear of the base

Supported Protocols

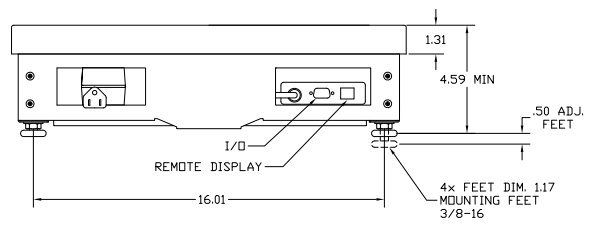
Standard NCI default with field configurable settings of 8213, 3835, SMA, with Auto Weight Send (2400 – 19.2K baud range)
Transmits weight and scale status whenever ASCII "W" <CR> is sent by a remote device

7880 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 scale 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
Incremental Selections	Multiples and sub-multiples of 1, 2, 5
Configurable Selections	Capacity, resolution, lb, 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 18" x 4.5" (457mm x 457mm 114mm)
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Top Pan Construction	Stainless steel weight platter Optional: Ball top weight platter (25 ball)
Base Construction	Durabridge® design with powder coated carbon steel base housing and aluminum NTEP approved analog load cell <i>Duarabridge Technology helps reduces 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) 100 lb x 0.02 lb 150 lb x 0.05 lb 250 lb x 0.05 lb 300 lb x 0.1 lb <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	 Measurement Canada Approved AM-5099 Rev 1
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Avery Weigh-Tronix

www.averyweigh-tronix.com

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