

## Parcel Shipping Scale

Ideal for busy, demanding  
parcel and shipping applications

*Technical Specification*



**Model 7824**

## DESCRIPTION

The 7824 durable 24" 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 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

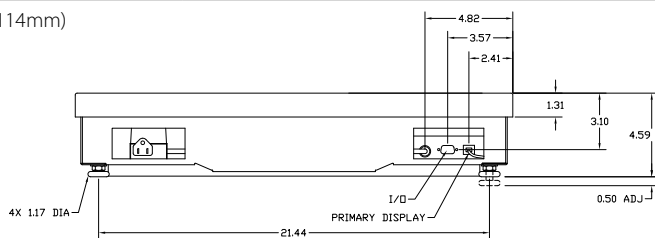
1 x RS232 (9 way female D Type connector ), 1 x USB HID (Mini USB) or 1x USB VCP (USB-Type B)  
2<sup>nd</sup> Remote display connection (RJ 45) *All are positioned on the rear of the base*

#### Supported Protocols

Standard NCI default with field configurable settings of 8213, 3835, SMA, with Auto Weight Send (1200 – 19.2K baud range)  
*Transmits weight and scale status whenever ASCII "W" <CR> is sent by a remote device*

# 7824 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>Annunciators</b>	Zero	
<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 Default configuration is as postal weight classifier	
<b>Time and Date</b>	No	
<b>Base Sizes</b>	24" x 24" x 4.5" (610mm x 610mm 114mm)	
	 <p>The technical drawing shows a side view of the scale base. Key dimensions include: a total width of 21.44 inches, a height of 4.59 inches minimum, and a base thickness of 0.50 inches adjustable. A primary display is indicated with a 1/8 inch diameter. Other dimensions shown are 4.82, 3.57, 2.41, 1.31, and 3.10 inches. A note specifies '4X 1.17 DIA' for mounting holes.</p>	
<b>Top Pan Construction</b>	Stainless steel weight platter Optional: Ball top weight platter (48 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* (Non approved)
	*Custom configuration. Metric weighing can be configured in the field during calibration	
<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

Pole Mount	12" high pole indicator stand, to allow easy viewing of the indicator
Ball Top Weight Platter	Stainless steel, using 48 roller balls to simplify handling and transport of all parcels. One piece lift-off design for easy field retrofitting



APPROVALS

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

## Avery Weigh-Tronix

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

**Avery Weigh-Tronix is an ITW company**



Avery Weigh-Tronix is a trademark of the Illinois Tool Works group of companies whose ultimate parent company is Illinois Tool Works Inc. ("Illinois Tool Works"). Copyright © 2016 Illinois Tool Works. All rights reserved. This publication is issued to provide outline information only and may not be regarded as a representation relating to the products or services concerned. This publication was correct at the time of going to print, however Avery Weigh-Tronix reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service at any time.

7824\_spec\_501501.indd  
V1 AWT35-501501