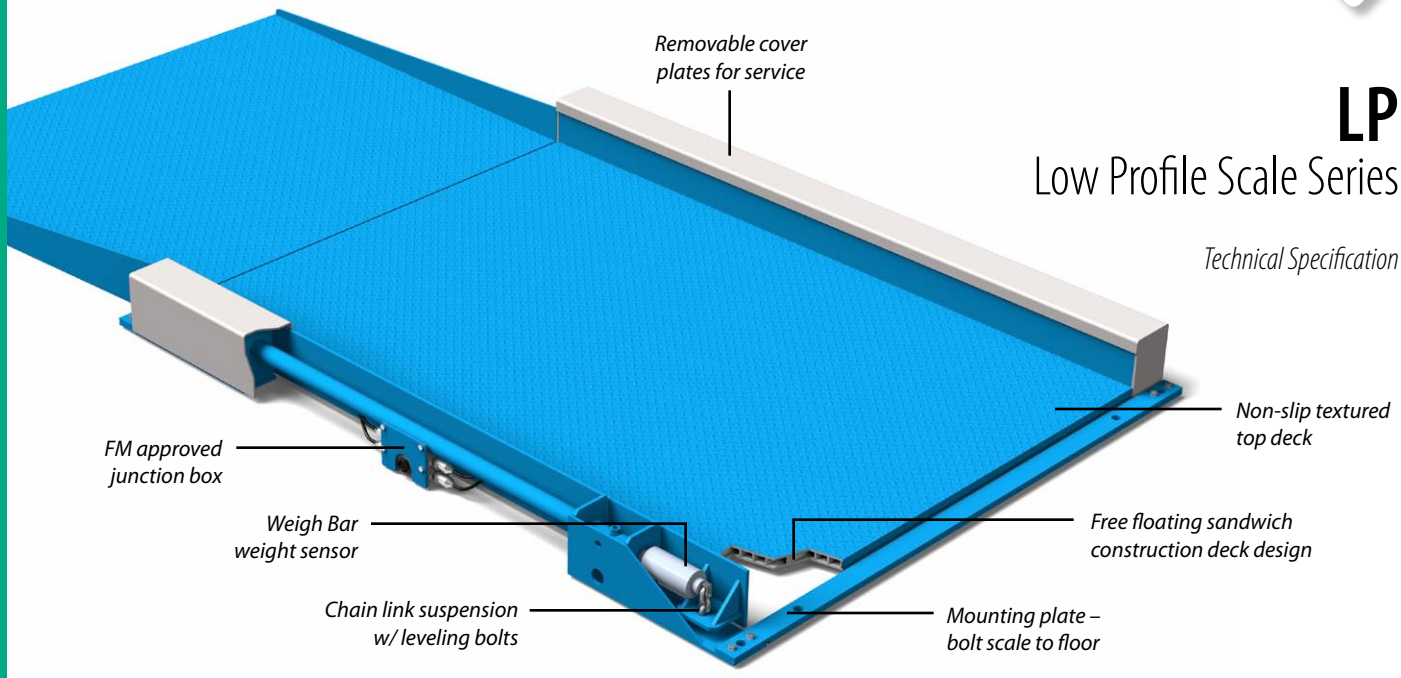
Avery Weigh-Tronix

LP

Low Profile Scale Series

Technical Specification



DESCRIPTION

General

With a ramp incline of 3.5 inches and a deck height of 2 inches, the Low Profile (LP) Scale provides easy transportability for forklift trucks and hand trucks to load and off-load goods, translating into more productivity, weighing and efficiency for scale operators. Due to its low ground level clearance, the Low Profile Scale does not need to be pit mounted, minimizing installation time and allowing the scale to be transported when needed. The Low Profile Scale is available in capacities from 2,000 lb to 40,000 lb.

Design

Low profile design – With a weighing surface that is only an inch and a half off the ground, the LP allows operators to safely and effortlessly push loaded carts up onto the scale.

Rugged deck structure – The honeycombed, sandwich construction deck provides outstanding strength for a low profile scale design.

Tread deck plate – The LP comes standard with tread plate texturing, reducing the risk of accidents on slippery surfaces.

Unmatched durability – Strong, rugged and reliable, the LP is for busy gangways with constant forklift traffic. Its unique chain link design means the weight sensor is always protected, resulting in reliable and accurate readings without the need for constant recalibration.

Chain link suspension – The LP's self leveling chain link suspension provides a high level of accuracy, making it extremely durable in abrasive conditions. It virtually eliminates all unwanted end and side loads which may damage a conventional load cell.

Robust overload stops – Intelligently designed, the LP comes with highly advanced overload stops to protect and prevent against drops and accidental overloading.

No pit needed – Due to its low profile design, the LP does not need to be pit mounted.

Exceptional accuracy – The LP utilizes the revolutionary Weigh Bar® weight sensor, designed to exceed the accuracy levels of a traditional loadcell. The Weigh Bar uses a linear method of weight sensing and is rugged, reliable and highly precise.

Weigh Bar protection – The Weigh Bars in the LP are protected against water, dirt and other foreign particles eliminating the need for external mechanical shielding. The Weigh Bar cables entering the box are protected by water-tight hubs.

Serviceability – The LP design provides easy access to the Weigh Bars and junction box for timely and routine maintenance. The removable cover plate grants easy access for calibration and service.

Inherent protection – The junction box is welded into the deck frame providing protection for sensitive components and additional strength to the frame.

Axle loading – The LP has a 50% axle load rating. The LP has a 10,000 lb axle load rating on a 20,000 lb scale and a 20,000 lb rating on a 40,000 lb scale.

SPECIFICATIONS

Construction: Unique sandwich constructed platform area with tread plate in either carbon or stainless steel material. All cabling routed within the assembly to eliminate potential damage from exposed wires.

Weight sensors: Four Weigh Bars

Weigh Bar output: 2mV/V- 5000 lb; 10,000 lb; 20,000 lb; 40,000 lb

Overload protection: 150%

End loading: 100%

Accuracy:
Meets or exceeds NTEP Class III 5000 division accuracy

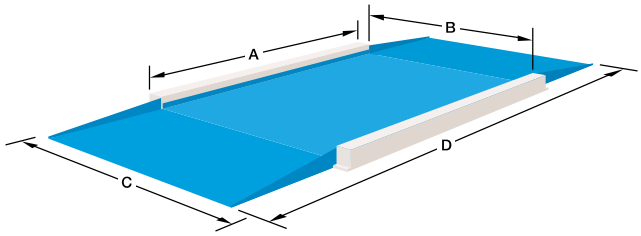
Temperature: 14 to 104ºF (-10 to 40ºC)

Agencies:
NTEP Certificate of Conformance #88-222

Interface cable: 25 ft cable included

Standard capacities, platform dimensions and finishes:

Capacity	Model No.	Platform Dimensions	Mild Steel	Stainless Steel
5000 lb (2500 kg)	LP4848-05	48 x 48 x 2 in (122 x 122 x 5 cm)	■	■
	LP6060-05	60 x 60 x 2 in (152 x 152 x 5 cm)	■	
10,000 lb (5000 kg)	LP7248-10	60 x 48 x 2 in (182 x 122 x 5 cm)	■	■
20,000 lb (10,000 kg)	LP6060-20	60 x 60 x 2 in (152 x 152 x 5 cm)	■	■
	LP7260-20	72 x 60 x 2 in (182 x 152 x 5 cm)	■	■
	LP8460-20	84 x 60 x 2 in (213 x 152 x 5 cm)	■	■
	LP9660-20	96 x 60 x 2 in (244 x 152 x 5 cm)	■	
	LP7272-20	72 x 72 x 2 in (182 x 182 x 5 cm)	■	
40,000 lb (20,000 kg)	LP10884-40	108 x 84 x 3 in (274 x 213 x 8 cm)	■	



Shipping weights:

Model No.	Mild Steel	Stainless Steel
LP4848-05	730 lb (331 kg)	800 lb (362 kg)
LP6060-05	1200 lb (544 kg)	
LP7248-10	970 lb (439 kg)	1100 lb (499 kg)
LP6060-20	1200 lb (544 kg)	1250 lb (567 kg)
LP7260-20	1400 lb (635 kg)	1475 lb (670 kg)
LP8460-20	1500 lb (680 kg)	1620 lb (734 kg)
LP9660-20	1750 lb (794 kg)	
LP7272-20	1480 lb (671 kg)	
LP10884-40	3300 lb (1497 kg)	

Detailed dimensions:

Platform Dimensions	Dimension A	Dimension B	Dimension C	Dimension D
48 x 48 x 2 in (122 x 122 x 5 cm)	49 in (124 cm)	47 in (119 cm)	57-1/2 in (146 cm)	109 in (277 cm)
60 x 60 x 2 in (152 x 152 x 5 cm)	61 in (155 cm)	59 in (150 cm)	71 in (180 cm)	121 in (304 cm)
60 x 48 x 2 in (182 x 122 x 5 cm)	73 in (185 cm)	47 in (119 cm)	57-1/2 in (146 cm)	133 in (338 cm)
84 x 60 x 2 in (213 x 152 x 5 cm)	85 in (216 cm)	59 in (150 cm)	71 in (180 cm)	145 in (368 cm)
60 x 60 x 2 in (182 x 182 x 5 cm)	73 in (185 cm)	71 in (180 cm)	83 in (211 cm)	133 in (338 cm)
96 x 60 x 2 in (244 x 152 x 5 cm)	97 in (246 cm)	59 in (150 cm)	71 in (180 cm)	157 in (399 cm)
108 x 84 x 3 in (274 x 213 x 8 cm)	109 in (277 cm)	83 in (211 cm)	99 in (251 cm)	199 in (505 cm)

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11/2010 LowProfile_LP_spec_500453.indd (C&D)
AWT35-500453