

NEW BenchPro™ Series

Multi-Purpose Digital Bench Scale

DIMENSIONING / MAILING / PARCEL SCALES



Model BP 1818

The BenchPro Series family of digital bench scales is ideal for many diverse industries and markets around the world. As a general purpose scale, the BenchPro offers many benefits, including the ability to tare containers and battery operation. Because of these extra features not typically found in traditional shipping, point of sale and postal scales, the BenchPro may be used for additional applications including retail, restaurant and deli, manufacturing, inventory control and more.

Standard Features

- Simple operation, easy to set up, configure and calibrate
- Large product offering to suit many stand-alone and PC interface applications
- Large six-digit backlight LCD display with 1 in (29mm) characters
- Operator display – four-button touch key panel with Units, Tare, On/Off, F1 selection, designed with heavy duty tempered glass keypad which provides increased protection against scratches & drops; repels water, dust and oil
- Customer display – optional display with no keyboard
- Alternate calibration points – perform calibration using weights less than full capacity
- Units of measure – specific model/capacity dictates selectable modes of measurement in lb, kg, oz, grams or lb:oz (for use as postal scale only)
- Powered USB HID point of sale interface – plug and play USB interface provides power and communications to iDimension Series and popular shipping software programs like FedEx Ship Manager and UPS Worldship
- Nine-pin RS-232 interface for legacy software program
- Interface protocols include USB HID POS, SMA, NCI, 3835, ECR, 8213 and EH
- Four AA alkaline battery operation for portability (BP 1214 Series only)
- Display mounting – front base mount as standard with optional desktop pole mount and column base mount (BP 1214 Series only)
- Gravitational compensation allows for adjustment of factory calibration to meet your local gravity setting, non-approved
- Multi-range and multi-interval available on postal scales

APPROVALS



Measurement
Canada
Approved

Specifications

Dynamic Response:

Response time for stable weight:
0 - 1000d, 1000 ms, maximum mean average
1000d +, 1500 ms, maximum mean average

Internal Resolution:

500,000 internal count minimum

Overload Protection:

Corner & center overload protection

Power:

In-line Power Supply

Input: 100-240 VAC, +10% -15%, 3-wire w/ground
Standard terminated with USA 3-prong plug

Output: 12V at .1 Amps DC minimum

Frequency: 50/60 Hz +/-3 Hz, standard

Approvals: UL, CE, EN, CUL

Battery Power - BP 1214 Series Only

Battery Type: Four AA alkaline batteries, 6V, with low battery indication at 4.3 volts (not included)

Battery Life: Non-backlight and software control for sleep mode, 250 hrs or 80 hrs continuous use, power consumption at 68 mA

Backlight and software control for sleep mode, 80 hrs or 50 hrs continuous use, power consumption at 75 mA

Construction:

BP Series - Powder coat painted mild steel base plate and load bridge with optional weight platters

BP 1214 Series - Die-cast aluminum load bridge and base housing with optional weight platters

Display:

Minimum key press life of 500,000 cycles, ABS plastic housing with 6 annunciators to indicate zero, Gross/Brutto, Net, W1/W2/W3 multi-range or multi-interval weight ranges

Dimensions (L x W x D) 5.25 in x 2.21 in x 1.09 in
(133.4 x 56.1 x 27.76 mm)

Primary display includes a cable, the remote operator display includes a cable with RJ-45 connection scale

RS-232 Cable:

DB 9-pin male to female, straight pass through and null modem

USB Cable:

A/B type USB cable

USB HID:

USB 2.0 full speed; Vendor ID: 1C19; Product ID: 0002

Cleaning:

Exterior surfaces are capable of withstanding mild soap and water wipe-down with a wet cloth

Approvals:

NTEP COC # 17-002

Canada Weights and Measures: AM - 6050

Warranty:

Two-year limited warranty

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Model BP 0610



Model BP 1214 with optional column bracket and post



Model BP 1010 with optional table top display post and second display

Part Number/Price

Part #	Model	Capacity	Weight Platter Type	Est. Weight	Price
Retail, Deli, Portion Control, General Purpose					
BP 0610 Series – 6 x 10 in weight platter					
182374	BP 0610-6R	15 lb / 6 kg*	Stainless Steel	12 lb	Consult
182375	BP 0610-15R	30 lb / 15 kg*	Stainless Steel	12 lb	Consult
BP 1010 Series – 10 x 10 in weight platter					
182376	BP 1010-6R	15 lb / 6 kg*	Stainless Steel	15 lb	Consult
182377	BP 1010-15R	30 lb / 15 kg*	Stainless Steel	15 lb	Consult
BP 1214 Series – 12 x 14 in Weight Platter					
179733	BP 1214-6R**	15 lb / 6 kg*	Stainless Steel	17 lb	Consult
179732	BP 1214-15R**	30 lb / 15 kg*	Stainless Steel	17 lb	Consult

Interface Protocols Available; USB HID POS, SMA, ECR, NCI, Toshiba 4690 USB available upon request

*See Units of Measure Table for additional capacities and resolutions available

** Model BP 1214 Series includes battery operation



Model BP 1216



Model BP 1214 with plastic shroud

Part Number/Price

Part #	Model	Capacity	Weight Platter Type	Est. Weight	Price
Postal, Shipping, General Purpose					
BP 1214 Series – 12 x 14 in weight platter					
174787	BP 1214-35P**	70 lb / 35 kg*	Plastic	17 lb	Consult
187832	BP 1214-35P** Triple Range	70 lb / 35 kg*	Stainless Steel	18 lb	Consult
BP 1216 Series – 12 x 16 in weight platter					
182403	BP 1216-50S	100 lb / 50 kg*	Stainless Steel	31 lb	Consult
182404	BP 1216-50S	100 lb / 50 kg*	Painted Mild Steel	31 lb	Consult
182405	BP 1216-50S	100 lb / 50 kg*	Ball Top	37 lb	Consult
182406	BP 1216-50S	100 lb / 50 kg*	Roller Conveyor	41 lb	Consult

*See Units of Measure Table for additional capacities and resolutions available

** Model BP 1214 Series includes battery operation

Interface Protocols Available; USB HID POS, SMA, NCI

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Model BP 1214
with remote display



Model BP 1216



Model BP 1818
with mild steel shroud



Model BP 1818
with ball top shroud



Model BP 1818
with roller conveyor



Model BP 2424

Part Number/Price

Part #	Model	Capacity	Weight Platter Type	Est. Weight	Price
Shipping, General Purpose Use					
BP 1214 Series – 12 x 14 in weight platter					
174879	BP 1214-75S	150 lb / 75 kg	Stainless Steel	17 lb	Consult
174880	BP 1214-75S	150 lb / 75 kg	Plastic	17 lb	Consult
184585	BP 1214-75S	150 lb / 75 kg	Painted Mild Steel	17 lb	Consult
BP 1216 Series – 12 x 16 in weight platter					
182993	BP 1216-75S	150 lb / 75 kg	Stainless Steel	31 lb	Consult
182994	BP 1216-75S	150 lb / 75 kg	Painted Mild Steel	31 lb	Consult
182995	BP 1216-75S	150 lb / 75 kg	Ball Top	37 lb	Consult
182996	BP 1216-75S	150 lb / 75 kg	Roller Conveyor	41 lb	Consult
BP 1818 Series – 18 x 18 in weight platter					
182391	BP 1818-50S	100 lb / 50 kg*	Stainless Steel	63 lb	Consult
182392	BP 1818-50S	100 lb / 50 kg*	Painted Mild Steel	63 lb	Consult
182393	BP 1818-50S	100 lb / 50 kg*	Ball Top	73 lb	Consult
182394	BP 1818-50S	100 lb / 50 kg*	Roller Conveyor	77 lb	Consult
182378	BP 1818-75S	150 lb / 75 kg	Stainless Steel	63 lb	Consult
182379	BP 1818-75S	150 lb / 75 kg	Painted Mild Steel	63 lb	Consult
182380	BP 1818-75S	150 lb / 75 kg	Ball Top	73 lb	Consult
182381	BP 1818-75S	150 lb / 75 kg	Roller Conveyor	77 lb	Consult
182382	BP 1818-150S	300 lb / 150 kg	Stainless Steel	63 lb	Consult
182383	BP 1818-150S	300 lb / 150 kg	Painted Mild Steel	63 lb	Consult
182384	BP 1818-150S	300 lb / 150 kg	Ball Top	73 lb	Consult
182386	BP 1818-150S	300 lb / 150 kg	Roller Conveyor	77 lb	Consult
BP 2020 Series – 20 x 20 in weight platter					
182395	BP 2020-150S	300 lb / 150 kg	Stainless Steel	76 lb	Consult
182396	BP 2020-150S	300 lb / 150 kg	Painted Mild Steel	76 lb	Consult
182397	BP 2020-150S	300 lb / 150 kg	Ball Top	88 lb	Consult
182398	BP 2020-150S	300 lb / 150 kg	Roller Conveyor	94 lb	Consult
BP 2424 Series – 24 x 24 in weight platter					
182399	BP 2424-150S	300 lb / 150 kg	Stainless Steel	131 lb	Consult
182400	BP 2424-150S	300 lb / 150 kg	Painted Mild Steel	131 lb	Consult
182401	BP 2424-150S	300 lb / 150 kg	Ball Top	131 lb	Consult
182402	BP 2424-150S	300 lb / 150 kg	Roller Conveyor	131 lb	Consult

Interface Protocols Available; USB HID POS, SMA, NCI, 3835, EH, 8213

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Options/Accessories

Part #	Description	Est. Weight	Price
183103	16 in (H) Tabletop Display Post	4 lb	Consult
174783	Column Bracket and Post, Model BP 1214 only	2 lb	Consult
180901	2nd Remote Customer Display, BenchPro Series with cable and capacity labels	4 lb	Consult
174784	2nd Remote Operator Display, BenchPro Series with cable and capacity labels	4 lb	Consult
178501	USB-RS-232 Serial Adapter	1 lb	Consult

Replacement Parts

Part #	Description	Est. Weight	Price
174786	USB Cable	1 lb	Consult
174782	AC Power Supply with Cable	1 lb	Consult
64794	RS-232 Cable	1 lb	Consult
179191	Primary Operator Display, BenchPro Series with cable, Models BP 0610, BP 1010, BP 1216	4 lb	Consult

Capacity by Model

Model	Range	Units of Measure				
		lb	lb/oz	oz	kg	Grams
BP 0610-6R	Single	15 x 0.005	15 lb x 0.1 oz	240 x 0.1	6 x 0.002	6000 x 2
BP 0610-15R	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1010-6R	Single	15 x 0.005	15 lb x 0.1 oz	240 x 0.1	6 x 0.002	6000 x 2
BP 1010-15R	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1214-6R	Single	15 x 0.005	15 lb x 0.1 oz	240 x 0.1	6 x 0.002	6000 x 2
BP 1214-15R	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1214-35P	Single	70 x 0.02	70 lb x 0.5 oz		35 x 0.01	
BP 1214-35P	Dual		0 – 7 lb x 0.05 oz 7 – 70 lb x 0.2 oz		*0-5 x 0.001 5-35 x 0.01	
BP 1214-35P	Triple				*0-5 x 0.001 5-10 x 0.002 10-35 x 0.01	
BP 1214-75S	Single	150 x 0.05			75 x 0.02	
BP 1216-50S	Single	100 x 0.02			50 x 0.01	
BP 1216-50S	Dual		0 – 10 lb x 0.05 oz 10 - 100 lb x 0.5 oz			
BP 1216-75S	Single	150 x 0.05			75 x 0.02	
BP 1818-50S	Single	100 x 0.02			50 x 0.01	
BP 1818-75S	Single	150 x 0.05			75 x 0.02	
BP 1818-150S	Single	300 x 0.1			150 x 0.05	
BP 2020-150S	Single	300 x 0.1			150 x 0.05	
BP 2424-150S	Single	300 x 0.1			150 x 0.05	

* Canada Weights and Measures approval and OIML pending, use RLWS specific part #187832

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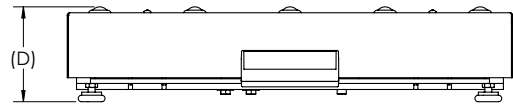
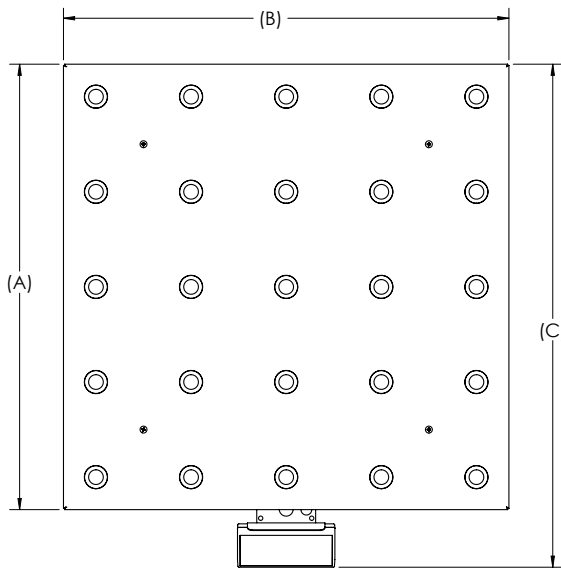
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Dimensions - Inches

Model	Weight Platter Type								
	Plastic				Stainless Steel	Mild Steel	Ball Top	Roller Conveyor	Adjustable Height
	A	B	C	D	D	D	D	D*	D
BP 0610	6	10	8.96		2.44	N/A	N/A		+ 0.24
BP 1010	10	10	12.96		2.53	N/A	N/A		+ 0.24
BP 1214	12	14	14.50	2.80	2.70	N/A	N/A		+ 0.48
BP 1216	12	16	15.30		3.75	3.75	4.32	5.95	+ 0.53
BP 1818	18	18	21.10		4.30	4.30	4.86	6.49	+ 0.53
BP 2020	20	20	23.10		4.30	4.30	4.86	6.50	+ 0.53
BP 2424	24	24	27.10		4.30	4.30	4.86	6.50	+ 0.53

* Consult Rice Lake Weighing Systems for overall dimensions and roller width



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