

# 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 an 18 in (45.72 cm) cable, the remote operator display includes a 72 in (182.88 cm) cable with RJ-45 connection scale

### RS-232 Cable:

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

### USB Cable:

6 in (116.84 mm) 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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**NEW**  
**BenchPro™ Series**  
 Multi-Purpose Digital Bench Scale



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
<b>Retail, Deli, Portion Control, General Purpose</b>					
<b>BP 0610 Series – 6 x 10 in weight platter</b>					
182374	BP 0610-6R	15 lb / 6 kg*	Stainless Steel	12 lb	\$695.00
182375	BP 0610-15R	30 lb / 15 kg*	Stainless Steel	12 lb	\$695.00
<b>BP 1010 Series – 10 x 10 in weight platter</b>					
182376	BP 1010-6R	15 lb / 6 kg*	Stainless Steel	15 lb	\$695.00
182377	BP 1010-15R	30 lb / 15 kg*	Stainless Steel	15 lb	\$695.00
<b>BP 1214 Series – 12 x 14 in Weight Platter</b>					
179733	BP 1214-6R**	15 lb / 6 kg*	Stainless Steel	17 lb	\$545.00
179732	BP 1214-15R**	30 lb / 15 kg*	Stainless Steel	17 lb	\$545.00

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
<b>Postal, Shipping, General Purpose</b>					
<b>BP 1214 Series – 12 x 14 in weight platter</b>					
174787	BP 1214-35P**	70 lb / 35 kg*	Plastic	17 lb	\$595.00
187832	BP 1214-35P** Triple Range	70 lb / 35 kg*	Stainless Steel	18 lb	Consult
<b>BP 1216 Series – 12 x 16 in weight platter</b>					
182403	BP 1216-50S	100 lb / 50 kg*	Stainless Steel	31 lb	\$745.00
182404	BP 1216-50S	100 lb / 50 kg*	Painted Mild Steel	31 lb	\$745.00
182405	BP 1216-50S	100 lb / 50 kg*	Ball Top	37 lb	\$945.00
182406	BP 1216-50S	100 lb / 50 kg*	Roller Conveyor	41 lb	\$975.00

\*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
<b>Shipping, General Purpose Use</b>					
<b>BP 1214 Series – 12 x 14 in weight platter</b>					
174879	BP 1214-75S	150 lb / 75 kg	Stainless Steel	17 lb	\$565.00
174880	BP 1214-75S	150 lb / 75 kg	Plastic	17 lb	\$545.00
184585	BP 1214-75S	150 lb / 75 kg	Painted Mild Steel	17 lb	\$645.00
<b>BP 1216 Series – 12 x 16 in weight platter</b>					
182993	BP 1216-75S	150 lb / 75 kg	Stainless Steel	31 lb	\$745.00
182994	BP 1216-75S	150 lb / 75 kg	Painted Mild Steel	31 lb	\$745.00
182995	BP 1216-75S	150 lb / 75 kg	Ball Top	37 lb	\$945.00
182996	BP 1216-75S	150 lb / 75 kg	Roller Conveyor	41 lb	\$975.00
<b>BP 1818 Series – 18 x 18 in weight platter</b>					
182391	BP 1818-50S	100 lb / 50 kg*	Stainless Steel	63 lb	\$1,095.00
182392	BP 1818-50S	100 lb / 50 kg*	Painted Mild Steel	63 lb	\$1,095.00
182393	BP 1818-50S	100 lb / 50 kg*	Ball Top	73 lb	\$1,445.00
182394	BP 1818-50S	100 lb / 50 kg*	Roller Conveyor	77 lb	\$1,445.00
182378	BP 1818-75S	150 lb / 75 kg	Stainless Steel	63 lb	\$1,095.00
182379	BP 1818-75S	150 lb / 75 kg	Painted Mild Steel	63 lb	\$1,095.00
182380	BP 1818-75S	150 lb / 75 kg	Ball Top	73 lb	\$1,445.00
182381	BP 1818-75S	150 lb / 75 kg	Roller Conveyor	77 lb	\$1,445.00
182382	BP 1818-150S	300 lb / 150 kg	Stainless Steel	63 lb	\$1,095.00
182383	BP 1818-150S	300 lb / 150 kg	Painted Mild Steel	63 lb	\$1,095.00
182384	BP 1818-150S	300 lb / 150 kg	Ball Top	73 lb	\$1,445.00
182386	BP 1818-150S	300 lb / 150 kg	Roller Conveyor	77 lb	\$1,445.00
<b>BP 2020 Series – 20 x 20 in weight platter</b>					
182395	BP 2020-150S	300 lb / 150 kg	Stainless Steel	76 lb	\$1,295.00
182396	BP 2020-150S	300 lb / 150 kg	Painted Mild Steel	76 lb	\$1,295.00
182397	BP 2020-150S	300 lb / 150 kg	Ball Top	88 lb	\$1,595.00
182398	BP 2020-150S	300 lb / 150 kg	Roller Conveyor	94 lb	\$1,595.00
<b>BP 2424 Series – 24 x 24 in weight platter</b>					
182399	BP 2424-150S	300 lb / 150 kg	Stainless Steel	131 lb	\$1,495.00
182400	BP 2424-150S	300 lb / 150 kg	Painted Mild Steel	131 lb	\$1,495.00
182401	BP 2424-150S	300 lb / 150 kg	Ball Top	131 lb	\$1,795.00
182402	BP 2424-150S	300 lb / 150 kg	Roller Conveyor	131 lb	\$1,795.00

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	\$195.00
174783	Column Bracket and Post, Model BP 1214 only	2 lb	\$45.00
180901	2nd Remote Customer Display, BenchPro Series with 6 ft cable and capacity labels	4 lb	\$65.00
174784	2nd Remote Operator Display, BenchPro Series with 6 ft cable and capacity labels	4 lb	\$80.00
179191	2nd Remote Operator Display, BenchPro Series with 18 ft cable and capacity labels	4 lb	\$75.00
178501	USB-RS-232 Serial Adapter	1 lb	\$45.00

### Replacement Parts

Part #	Description	Est. Weight	Price
174786	USB Cable	1 lb	\$9.00
174782	AC Power Supply with Cable	1 lb	\$45.00
64794	RS-232 Cable	1 lb	\$65.00
179191	Primary Operator Display, BenchPro Series with 18 in cable, Models BP 0610, BP 1010, BP 1216	4 lb	\$75.00

### Capacity by Model

Model	Display Cable Length	Range	Units of Measure				
			lb	lb/oz	oz	kg	Grams
BP 0610-6R	18 in	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	18 in	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1010-6R	18 in	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	18 in	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1214-6R	18 in	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	18 in	Single	30 x 0.01	30 lb x 0.2 oz	480 x 0.2	15 x 0.005	
BP 1214-35P	18 in	Single	70 x 0.02	70 lb x 0.5 oz		35 x 0.01	
BP 1214-35P	18 in	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	18 in	Triple				*0-5 x 0.001 5-10 x 0.002 10-35 x 0.01	
BP 1214-75S	18 in	Single	150 x 0.05			75 x 0.02	
BP 1216-50S	18 in	Single	100 x 0.02			50 x 0.01	
BP 1216-50S	18 in	Dual		0 – 10 lb x 0.05 oz 10 - 100 lb x 0.5 oz			
BP 1216-75S	18 in	Single	150 x 0.05			75 x 0.02	
BP 1818-50S	6 ft	Single	100 x 0.02			50 x 0.01	
BP 1818-75S	6 ft	Single	150 x 0.05			75 x 0.02	
BP 1818-150S	6 ft	Single	300 x 0.01			150 x 0.05	
BP 2020-150S	6 ft	Single	300 x 0.01			150 x 0.05	
BP 2424-150S	6 ft	Single	300 x 0.01			150 x 0.05	

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

# NEW BenchPro™ Series

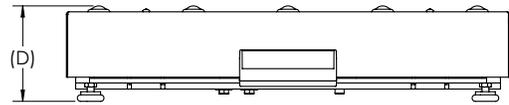
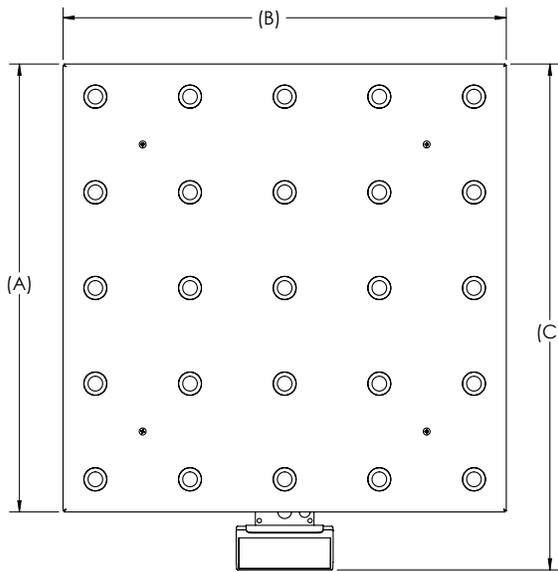
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## Dimensions - Inches

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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