



## *Bench Scale Bases for Basic Industrial Applications*

The Defender 3000 Bases provide economical yet durable performance for industrial weighing. With NTEP certification, Measurement Canada approval, these bases can be used for both general applications as well as where legal-for-trade performance is required.

### *Unique Features:*

- The B1 bases feature a 304-stainless steel platform, powder-coated steel tubular frame and aluminum load cell; the C1 bases feature a 304-stainless steel platform, frame and IP67 load cell.
- Capacities from 15 kg / 30 lb to 600 kg / 1,200 lb, with platforms from 305 x 355 mm / 12 x 14 inches to 600 x 800 mm / 23.6 x 31.5 inches.
- Default resolution up to 7,500d; NTEP certified and Measurement Canada approved to 3,000e for legal-for-trade performance.

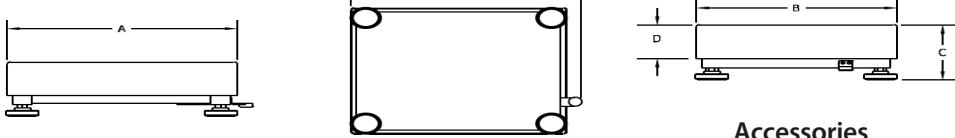
# DEFENDER<sup>®</sup> 3000 Bases

## Specifications

Model	i-D15B1R	i-D30B1R	i-D75B1R	i-D75B1L	i-D150B1L	i-D150B1X	i-D300B1X	i-D300B1V	i-D600B1V
Capacity x Default Readability	15 kg x 2 g 30 lb x 0.005 lb	30 kg x 5 g 60 lb x 0.01 lb	75 kg x 10 g 150 lb x 0.02 lb	75 kg x 10 g 150 lb x 0.02 lb	150 kg x 20 g 300 lb x 0.05 lb	150 kg x 20 g 300 lb x 0.05 lb	300 kg x 50 g 600 lb x 0.1 lb	300 kg x 50 g 600 lb x 0.1 lb	600 kg x 100 g 1,200 lb x 0.2 lb
Capacity x Certified/Approved Readability	15 kg x 5 g 30 lb x 0.01 lb	30 kg x 10 g 60 lb x 0.02 lb	75 kg x 50 g 150 lb x 0.05 lb	75 kg x 50 g 150 lb x 0.05 lb	150 kg x 50 g 300 lb x 0.1 lb	150 kg x 50 g 300 lb x 0.1 lb	300 kg x 100 g 600 lb x 0.2 lb	300 kg x 100 g 600 lb x 0.2 lb	600 kg x 200 g 1,200 lb x 0.5 lb
Approved Resolution	NTEP and Measurement Canada 3,000e								
Safe Overload Capacity	150% of capacity								
Base Construction	Stainless steel removable weighing platform, powder-coated steel base construction, aluminum loadcell silicon sealed against moisture								
Linearity/Repeatability	±1d								
Load Cell Capacity	30 kg / 66 lb	50 kg / 110 lb	100 kg / 220 lb	100 kg / 220 lb	250 kg / 550 lb	250 kg / 550 lb	500 kg / 1,100 lb	500 kg / 1,100 lb	750 kg / 1,650 lb
Load Cell Cable	6.6 ft / 2 m L x 4-wire					9.8 ft / 3 m L x 6-wire			
Load Cell Type	350 Ohm, aluminum, single point								
Load Cell Excitation	5-12V DC/AC								
Load Cell Rated Output	2mV/V								
Base Dimensions (A x B x C x D x E x F)	355 x 305 x 122 x 75 x 379 mm / 14 x 12 x 4.8 x 3 x 14.9 in			550 x 420 x 134 x 80 mm x 576 mm / 21.7 x 16.5 x 5.3 x 3.1 x 23.5 in		650 x 500 x 150 x 90 x 675 mm / 25.6 x 19.7 x 5.9 x 3.5 x 27.6 in		800 x 600 x 154 x 90 x 826 mm / 31.5 x 23.6 x 6.1 x 3.5 x 32.5 in	
Shipping Dimensions (L x W x H)	642 x 497 x 212 mm / 25.3 x 19.6 x 8.3 in			857 x 564 x 225 mm / 33.7 x 22.2 x 8.9 in		1,022 x 687 x 247 mm / 40.2 x 27 x 9.7 in		1,175 x 790 x 245 mm / 46.3 x 31.1 x 9.6 in	
Net Weight	7.2 kg / 15.9 lb			13.1 kg / 23.9 lb		23.25 kg / 51.3 lb		41.2 kg / 90.8 lb	
Shipping Weight	10.2 kg / 22.6 lb			17.2 kg / 37.8 lb		26.8 kg / 59 lb		45.2 / 99.6 lb	

Model	i-D15C1R	i-D30C1R	i-D75C1R	i-D75C1L	i-D150C1L	i-D150C1X	i-D300C1X
Capacity x Default Readability	15 kg x 2 g 30 lb x 0.005 lb	30 kg x 5 g 60 lb x 0.01 lb	75 kg x 10 g 150 lb x 0.02 lb	75 kg x 10 g 150 lb x 0.02 lb	150 kg x 20 g 300 lb x 0.05 lb	150 kg x 20 g 300 lb x 0.05 lb	300 kg x 50 g 600 lb x 0.1 lb
Capacity x Certified/Approved Readability	15 kg x 5 g 30 lb x 0.01 lb	30 kg x 10 g 60 lb x 0.02 lb	75 kg x 50 g 150 lb x 0.05 lb	75 kg x 50 g 150 lb x 0.05 lb	150 kg x 50 g 300 lb x 0.1 lb	150 kg x 50 g 300 lb x 0.1 lb	300 kg x 100 g 600 lb x 0.2 lb
Approved Resolution	NTEP and Measurement Canada 3,000e						
Safe Overload Capacity	150% of capacity						
Base Construction	Stainless steel removable weighing platform with stainless steel frame, silicon sealed IP67 stainless steel loadcell						
Linearity/Repeatability	±1d						
Load Cell Capacity	30 kg / 66 lb	50 kg / 110 lb	100 kg / 220 lb	100 kg / 220 lb	300 kg / 660 lb	300kg / 660 lb	500 kg / 1,100 lb
Load Cell Cable	6.6 ft / 2 m L x 6-wire						
Load Cell Type	350 Ohm Stainless steel single point						
Load Cell Excitation	5-15V DC/AC						
Load Cell Rated Output	2mV/V						
Load Cell Protection	IP67						
Base Dimensions (A x B x C x D x E)	355 x 305 x 122 x 75 x 379 mm / 14 x 12 x 4.8 x 3 x 14.9 in			550 x 420 x 134 x 80 mm x 576 mm / 21.7 x 16.5 x 5.3 x 3.1 x 23.5 in		650 x 500 x 150 x 90 x 675 mm / 25.6 x 19.7 x 5.9 x 3.5 x 27.6 in	
Shipping Dimensions (L x W x H)	642 x 497 x 212 mm / 25.3 x 19.6 x 8.3 in			857 x 564 x 225 mm / 33.7 x 22.2 x 8.9 in		1,022 x 687 x 247 mm / 40.2 x 27 x 9.7 in	
Net Weight	7.8 kg / 17.1 lb			14 kg / 30.8 lb		26.6 kg / 58.6 lb	
Shipping Weight	10.8 kg / 23.8 lb			18 kg / 39.7 lb		30.1 kg / 66.4 lb	

## Outline Dimensions



Base	A	B	C	D	E
	Pan Depth	Pan Width	Height of Pan to Surface of Table	Height of Pan	Length With Bubble Bracket
i-DxxxB1R	355 mm / 14 in	305 mm / 12 in	122 mm / 4.8 in	75 mm / 3 in	379 mm / 14.9 in
i-DxxxB1L	550 mm / 21.7 in	420 mm / 16.5 in	134 mm / 5.3 in	80 mm / 3.1 in	576 mm / 23.5 in
i-DxxxB1X	650 mm / 25.6 in	500 mm / 19.7 in	150 mm / 5.9 in	90 mm / 3.5 in	675 mm / 27.6 in
i-DxxxB1V	800 mm / 31.5 in	600 mm / 23.6 in	154 mm / 6.1 in	90 mm / 3.5 in	826 mm / 32.5 in
i-DxxxC1R	355 mm / 14 in	305 mm / 12 in	122 mm / 4.8 in	75 mm / 3 in	379 mm / 14.9 in
i-DxxxC1L	550 mm / 21.7 in	420 mm / 16.5 in	134 mm / 5.3 in	80 mm / 3.1 in	576 mm / 23.5 in
i-DxxxC1X	650 mm / 25.6 in	500 mm / 19.7 in	150 mm / 5.9 in	90 mm / 3.5 in	675 mm / 27.6 in

## Compliance

- **Metrology:** Platforms: NTEP (CC 21-075); Measurement Canada (AM-6180) Class III
- **Ingress Protection:** IEC 60529 – IP67 (for i-Dx1C1y), IEC 60529 – IP65 (for i-Dx1B1y)
- **Compliance Marks:** CE
- **Other:** WEEE, RoHS

## Accessories

- Wheel Kit, Defender Series  
(Max. load: 300 kg / 600 lb).....30372146
- Wheel Kit Stainless Steel Defender Series.  
(Max load: 600 kg / 1,200 lb).....30616409
- Carrying Handle Kit Stainless Steel i-DT33.....30696600
- Loadcell Extension Cable, 9 meters\*.....30424409
- Column Kit for i-DT33 indicator:**
- Column Kit, 330 mm / 13 in High Stainless Steel....30696595
- Column Kit, 680 mm / 26.8 in High Stainless Steel 30696596
- Column Kit, 330 mm / 13 in High Carbon Steel.....30696597
- Column Kit, 680 mm / 26.8 in High Carbon Steel ...30696598
- Column Kit, 980 mm / 38.6 in High Carbon Steel ...30696599
- Column Kit for TD52 indicator:**
- Column Kit, 350 mm / 13.8 in High Carbon Steel ...30424410
- Column Kit, 680 mm / 26.8 in High Carbon Steel ...30424411
- Column Kit, 980 mm / 38.6 in High Carbon Steel ...30424412
- Column Kit, 350 mm / 13.8 in High Carbon Steel ...30424413
- Column Kit, 680 mm / 26.8 in High Stainless Steel 30424414

\* Cannot be used for legal-for-trade applications

80776728\_A 20220524 © Copyright OHAUS Corporation

