

Bench Scale Bases for Basic Industrial Applications

The Defender 3000 Bases provide economical yet durable performance for industrial weighing. With Legal-for-Trade certifications, 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 IP65 aluminum load cell; the C1 bases feature a 304-stainless steel platform, frame and IP67 load cell.
- The Defender 3000 bases are equipped with an EasyConnect™ cable, which allows instant configuration with Defender 3000 indicators, speeding up installation.
- Default resolution up to 7,500d; OIML approved to 3,000e for legal-for-trade performance.
- Capacities from 15 kg to 600 kg, with platforms from 305 x 355 mm to 600 x 800 mm.

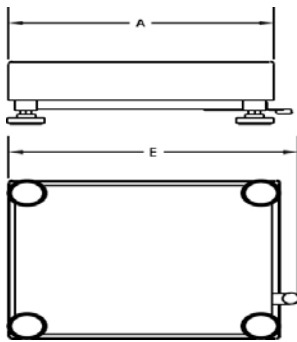
DEFENDER™3000 Bases

Specifications

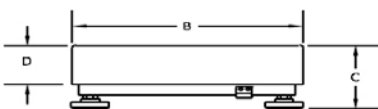
Model	i-D15B1R	i-D30B1R	i-D60B1R	i-D60B1L	i-D150B1L	i-D150B1X	i-D300B1X	i-D300B1V	i-D600B1V
Capacity x Default Readability	15 kg x 2 g	30 kg x 5 g	60 kg x 10 g		150 kg x 20 g		300 kg x 50 g		600 kg x 100 g
Capacity x Certified/Approved Readability	15 kg x 5 g	30 kg x 10 g	60 kg x 20 g		150 kg x 50 g		300 kg x 100 g		600 kg x 200 g
Approved Resolution	OIML 3000e								
Safe Overload Capacity	150% of capacity								
Base Construction	Stainless steel removable weighing platform, powder-coated steel base construction								
Linearity/Repeatability	±1d								
Load Cell Capacity	30 kg	50 kg	100 kg		250 kg		500 kg		750 kg
Load Cell Cable	2 m L x 4-wire					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								
Load Cell Protection	IP65								
Base Dimensions (A x B x C x D x E)	355 x 305 x 122 x 75 x 379 mm			550 x 420 x 134 x 80 mm x 576 mm		650 x 500 x 150 x 90 x 675 mm		800 x 600 x 154 x 90 x 826 mm	
Shipping Dimensions (L x W x H)	495 x 455 x 373 mm			1022 x 687 x 247 mm		1022 x 687 x 247 mm		1175 x 790 x 245 mm	
Net Weight	7.2 kg			13.1 kg		23.25 kg		41.2 kg	
Shipping Weight	10.2 kg			17.2 kg		26.8 kg		45.2 kg	

Model	i-D15C1R	i-D30C1R	i-D60C1R	i-D60C1L	i-D150C1L	i-D150C1X	i-D300C1X
Capacity x Default Readability	15 kg x 2 g	30 kg x 5 g	60 kg x 10 g		150 kg x 20 g		300 kg x 50 g
Capacity x Certified/Approved Readability	15 kg x 5 g	30 kg x 10 g	60 kg x 20 g		150 kg x 50 g		300 kg x 100 g
Approved Resolution	OIML 3000e						
Safe Overload Capacity	150% of capacity						
Base Construction	Stainless steel removable weighing platform and base construction						
Linearity/Repeatability	±1d						
Load Cell Capacity	30 kg	50 kg	100 kg		300 kg		500 kg
Load Cell Cable	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			550 x 420 x 134 x 80 mm x 576 mm		650 x 500 x 150 x 90 x 675 mm	
Shipping Dimensions (L x W x H)	495 x 455 x 373 mm			1022 x 687 x 247 mm			
Net Weight	7.8 kg			14 kg		26.6 kg	
Shipping Weight	10.8 kg			18 kg		30.1 kg	

Outline Dimensions



Base	A	B	C	D	E
i-DxxxB1R	355 mm	305 mm	122 mm	75 mm	379 mm
i-DxxxB1L	550 mm	420 mm	134 mm	80 mm	576 mm
i-DxxxB1X	650 mm	500 mm	150 mm	90 mm	675 mm
i-DxxxB1V	800 mm	600 mm	154 mm	90 mm	826 mm
i-DxxxC1R	355 mm	305 mm	122 mm	75 mm	379 mm
i-DxxxC1L	550 mm	420 mm	134 mm	80 mm	576 mm
i-DxxxC1X	650 mm	500 mm	150 mm	90 mm	675 mm



Compliance

- **Metrology:** Load Cell: OIML (R60/2017-A-NL1-21.19, R60/2017-A-NL1-21.20, R60/2017-A-NL1-21.21, R60/2017-A-NL1-21.22, R60/2000-NL1-16.12); EN45501 (TC12114, TC12115, TC12116, TC12117, TC8620).
- **Ingress Protection:** IEC 60529 – IP67 (for i-DxC1y), IEC 60529 – IP65 (for i-DxB1y)
- **Compliance Marks:** CE, UKCA
- **Other:** WEEE, RoHS

Accessories

- Wheel Kit, Defender Series.....30372146
- Wheel Kit SST Defender Series.....30616409
- Carrying Handle Kit i-DT3330696600
- LC Extension Cable, 9 meters*30424409

Column Kit for i-DT33 indicator:

- Column Kit, 330 mm, SST.....30696595
- Column Kit, 680 mm, SST.....30696596
- Column Kit, 330 mm, CS30696597
- Column Kit, 680 mm, CS30696598
- Column Kit, 980 mm, CS30696599

Column Kit for DT52 indicator:

- Column Kit, 350 mm, CS30424410
- Column Kit, 680 mm, CS30424411
- Column Kit, 980 mm, CS30424412
- Column Kit, 350 mm, SST.....30424413
- Column Kit, 680 mm, SST.....30424414

* Cannot be used for legal-for-trade applications

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The management system
governing the manufacture of
this product is ISO 9001:2015
certified.

