

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.

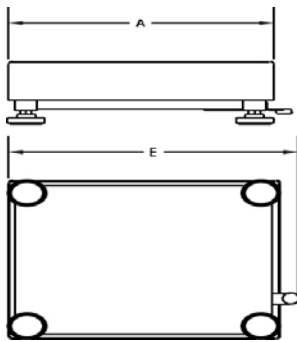
DEFENDER™3000 Bases

Specifications

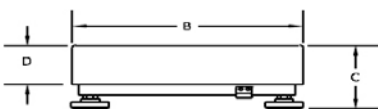
| Model | i-D15B1R | i-D30B1R | i-D60B1R | i-D60B1L | i-D150B1L | i-D150B1X | i-D300B1X | i-D300B1V | i-D600B1V |
|---|--|--------------|--------------|----------------------------------|---------------|-------------------------------|----------------|-------------------------------|----------------|
| 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

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

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

