

Defender® 3000 Bench Scales

Models	D31P15BR	D31P30BR	D31P60BR	D31P60BL	D31P150BL	D31P150BX	D31P300BX
Capacity × Readability (d)	33 lb × 0.005 lb 5,28 oz × 0.1 oz 15 kg × 0.002 kg 15,000 g × 2 g	66 lb × 0.01 lb 1056 oz × 0.2 oz 66 lb × 0.2 oz (lb:oz) 30 kg × 0.005 kg 30,000 g × 5 g	132 lb × 0.02 lb 2,112 oz × 0.5 oz 60 kg × 0.01 kg 60,000 g × 10 g	132 lb × 0.02 lb 2,112 oz × 0.5 oz 60 kg × 0.01 kg 60,000 g × 10 g	330 lb × 0.05 lb 5,280 oz × 1 oz 150 kg × 0.02 kg 150,000 g × 20 g	330 lb × 0.05 lb 5,280 oz × 1 oz 150 kg × 0.02 kg 150,000 g × 20 g	660 lb × 0.1 lb 10,576 oz × 2 oz 660 lb × 2 oz (lb:oz) 300 kg × 0.05 kg 300,000 g × 50 g
Capacity × Readability (d) (Cal unit lb)	30 lb × 0.005 lb 4,80 oz × 0.1 oz 30 lb × 0.1 oz (lb:oz) 13.6 kg × 0.002 kg 13,600 g × 2 g	60 lb × 0.01 lb 960 oz × 0.2 oz 60 lb × 0.2 oz (lb:oz) 27 kg × 0.005 kg 27,000 g × 5 g	150 lb × 0.02 lb 2,400 oz × 0.5 oz 68 kg × 0.01 kg 68,000 g × 10 g	150 lb × 0.02 lb 2,400 oz × 0.5 oz 68 kg × 0.01 kg 68,000 g × 10 g	300 lb × 0.05 lb 4,800 oz × 1 oz 300 lb × 1 oz (lb:oz) 136 kg × 0.02 kg 136,000 g × 20 g	300 lb × 0.05 lb 4,800 oz × 1 oz 300 lb × 1 oz (lb:oz) 136 kg × 0.02 kg 136,000 g × 20 g	600 lb × 0.1 lb 9,600 oz × 2 oz 600 lb × 2 oz (lb:oz) 272 kg × 0.05 kg 272,000 g × 50 g
Displayed Resolution	1:7500	1:6000	1:7500	1:7500	1:7500	1:7500	1:6000
Capacity × Readability approved (e) (Cal unit lb)	30 lb × 0.01 lb 4,80 oz × 0.2 oz	60 lb × 0.02 lb 960 oz × 0.5 oz	150 lb × 0.05 lb 2,400 oz × 1 oz	150 lb × 0.05 lb 2,400 oz × 1 oz	300 lb × 0.1 lb 4,800 oz × 2 oz	300 lb × 0.1 lb 4,800 oz × 2 oz	600 lb × 0.2 lb 9,600 oz × 5 oz
Approved Resolution	1:3000						
Platform (W × D × min H)	12 × 14 × 4.8 in / 305 × 355 × 123 mm			16.5 × 21.6 × 5.4 in / 420 × 550 × 136 mm		19.7 × 25.6 × 5.8 in / 500 × 650 × 147 mm	
Front View Dimensions (F1 × F2 × F3 × F4 × F5 × F6)	8.2 × 6.5 × 12 × 4.8 × 3 × 10 in 210 × 166 × 305 × 123 × 75 × 256 mm			8.2 × 6.5 × 16.5 × 5.4 × 3.2 × 14.6 in 210 × 166 × 420 × 136 × 80 × 371 mm		8.2 × 6.5 × 19.7 × 5.6 × 3.5 × 17.3 in 210 × 166 × 500 × 143 × 90 × 440 mm	
Side View Dimensions (S1 × S2 × S3 × S4 × S5)	22.5 × 18.6 × 14 × 12 × 2 in 572 × 472 × 355 × 306 × 52 mm			36.2 × 26.3 × 21.7 × 19.7 × 2 in 920 × 668 × 550 × 500 × 52 mm		36.2 × 29.1 × 25.6 × 23.2 × 2 in 920 × 740 × 650 × 590 × 52 mm	
Column	13.8 in / 350 mm fixed height, tubular painted steel			27.6 in / 700 mm fixed height, tubular painted steel			
Safe Overload Capacity	125% of rated capacity						
Functions	Weighing, Parts Counting						
Weight Display	6-digit, 7-segment backlit LCD, 1 inch / 25 mm high digits						
Keyboard	4 function mechanical keys, raised, tactile						
Stabilization Time	Within 2 seconds						
Auto-zero Tracking	Off, 0.5, 1 or 3 divisions						
Key Zeroing Range	2% or 100% of capacity						
Span Calibration	5 lb/kg to 100% of capacity, user selectable						
Power	AC adapter with 100-hour internal rechargeable lead acid battery included						
Interface	Bi-directional RS232C						
Operating Temperature Range	14°F to 104°F / -10°C to 40°C, Maximum relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity at 104°F / 40°C, non condensing						
Net Weight	26 lb / 12 kg			42 lb / 19 kg		71 lb / 32 kg	
Shipping Weight	33 lb / 15 kg			51 lb / 23 kg		82 lb / 37 kg	
Shipping Dimensions(mm)	25.3 × 19.6 × 8.5 in / 642 × 497 × 212			33.7 × 22.2 × 8.9 in / 857 × 564 × 225		40.2 × 27 × 9.7 in / 1022 × 687 × 247	

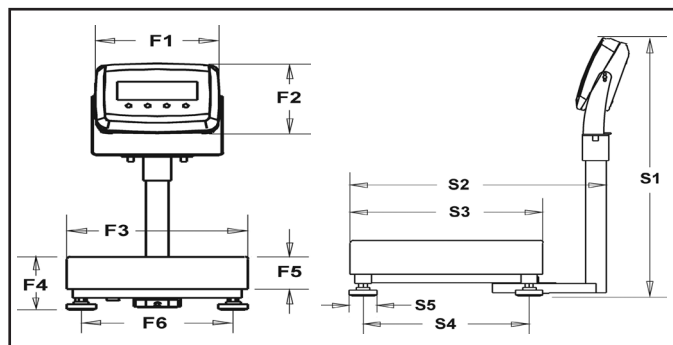
Features

Indicator housing with internal rib reinforcements, reversible front/rear cover, built-in RS232C with manual/continuous/interval printing, hardware configuration lockout switch, internal lead-acid rechargeable battery and AC adapter. Software included for parts counting mode with selectable sample sizes, selectable span calibration points, averaging level, auto-zero tracking, battery saving auto-off, Geo Code geographical gravity calibration adjustment and software menu lockouts.

Accessories

Call OHAUS for information on wheel kit, USB and Ethernet adapters, printer and cable accessories

Outline Dimensions



Compliance

- Markings: CE, UL_{us}
- Metrology: NTEP Certificate of Conformance 08-066 for Indicator, 08-021 for Bases; Measurement Canada Notice of Approval AM-5713C for Indicator, AM-5667 for Bases
- Product Safety: EN 60950-1; UL 60950-1; CSA C22.2 60950-1
- Electromagnetic Compatibility: EN 61326-1 Class B, Basic environments; FCC Part 15 Class A; ICES-003 Class A