

Defender™ 3000 Xtreme

Washdown Bench Scales



Designed with affordability in mind, but with no compromise on quality!

The OHAUS Defender[™] 3000 Xtreme Series economy line of bench scales is ideal for general weighing and simple counting applications in wet or damp environments. The Defender 3000 Xtreme Series feature a simple, yet rugged, tubular-frame base design and indicators with tactile keys, backlit LCD display, built-in rechargeable battery operation and flexible mounting capabilities. The Defender 3000 Xtreme Series is the solution to your weighing applications that require dependability within an affordable budget.

Standard Features Include:

- Four capacity models: 60lb/30kg, 150lb/60kg, 300lb/150kg, and 600lb/300kg
- Maximum resolution 1:6,000-7,500d
- 304 stainless steel pan with stainless steel frame and stainless steel IP67 load cell
- Indicator features a stainless steel housing with NEMA 4X / IP65 protection
- Adjustable non-slip rubber leveling feet with externally visible level indicator
- Multiple weighing units: lb, oz, lb:oz, kg, g
- Parts counting mode with selectable sample sizes, last sample size and average piece weight data
- 1-in/25mm high LCD weight display with high-contrast backlight
- Built-in RS232 for printing and data connection
- Internal universal switching power supply and 58-hour internal rechargeable battery included

Defender™ 3000 Bench Scales

Models D32XW60VR D32XW60VL D32XW150VL D32XW150VL D32XW150VL D32XW150VX Capacity X Readability (d) 60 lb x 0.01 lb 150 lb x 0.02 lb 150 lb x 0.02 lb 300 lb x 0.05 lb 900 lb x 0.05 lb 600 lb x 0.1 lb 900 cx 2.0 cz 2,400 cx x 0.5 cz 4,800 cx x 1 cz 150 kg x 0.02 kg 600 lb x 2 cz (lb:cz) 300 lb x 1 cz (lb:cz) 300,000 g x 2 0g 300,000 g	Specifications							
Generity x Readability (d) 9600 oz x 0.2 oz 60 lb x 0.2 oz (lb.cz) 30 kg x 0.005 kg 30 kg x 0.005 kg 30 kg x 0.005 kg 60,000 g x 10 g 30 kg x 0.005 kg 60,000 g x 10 g 30 kg x 0.005 kg 60,000 g x 10 g 60 kg x 0.01 kg 60,000 g x 10 g 60 kg x 0.01 kg 60,000 g x 10 g 60 kg x 0.01 kg 60,000 g x 10 g 60,000 g x 10 g 60,000 g x 10 g 60,000 g x 10 g 150 kg x 0.02 kg 150,000 g x 20 g 150,000 g x 20 g 300, kg x 0.05 kg 300, kg x	Models	D32XW30VR	D32XW60VR	D32XW60VL	D32XW150VL	D32XW150VX	D32XW300VX	
Capacity x Readability (d) 60 lb x 0.2 oz (lbr.oz) 160 lb x 0.5 cz (lbr.oz) 60 kg x 0.01 kg 300 lb x 1 oz (lbr.oz) 300 kg x 0.005 kg 300,000 g x 5 g	Capacity x Readability (d)	60 lb x 0.01 lb	150 lb x 0.02 lb	150 lb x 0.02 lb	300 lb x 0.05 lb	300 lb x 0.05 lb	600 lb x 0.1 lb	
30 kg x 0.005 kg 60 kg x 0.01 kg 60 kg x 0.01 kg 150 kg x 0.02 kg 150 kg x 0.02 kg 300,000 g x 5 g Maximum Displayed Resolution 1:6,000 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:6,000 g 300,000 g x 5 g 300,000 g x								
30,000 g x 5 g 60,000 g x 10 g 150,000 g x 20 g 150,000 g x 20 g 300,000 g x 50 g Maximum Displayed Resolution 1:6,000 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:6,000 Scale Protection 304 stainless steel pan with stainless steel frame, non-slip rubber leveling feet Ease Construction 12 X 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 i. / 20 x 550 x 136 mm 19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mm Front View Dimensions 8.2 x 6.5 x 12 x 4.8 x 3 x 10 in 8.2 x 6.5 x 16 x 4.3 2 x 14.6 in 8.2 x 6.5 x 17.3 in 210 x 166 x 300 x 119 x 75 x 256 mm 210 x 166 x 500 x 154 x 90 x 440 mm Side View Dimensions 2.2 5 x 18.6 x 14 x 12 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 2.9 x 25.6 x 53.2 x 2.1 x 20 x 440 mm Side View Dimensions 2.2 5 x 18.6 x 14 x 12 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 2.9 x 2.5 6 x 53.2 x 2.1 x 20 x 440 mm Column 13.8 in / 350 mm fixed height, stainless steel 270 x 668 x 500 x 52 mm 920 x 740 x 650 x 590 x 52 mm 920 x 740 x 650 x 590 x 52 mm Safe Overload Capacity 125% of rated capacity 16.2 x 0.1 x 4.8 x 4.8 x 0.4 x 4.8 x								
Maximum Displayed Resolution 1:6,000 1:7,500 1:7,500 1:7,500 1:7,500 1:7,500 1:6,000 Scale Protection NEMA 4X / IP65 Base Construction 304 stainless steel pan with stainless steel frame, non-slip rubber leveling feet Patform Dimensions (WADxmin H) 12 x 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm 19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mm Front View Dimensions (MADxmin H) 12 x 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm 8.2 x 6.5 x 19.7 x 5.6 x 3.5 x 17.3 in Side View Dimensions 22.2 x 18.6 x 14 x 12 x 2 in 36.2 x 26.3 x 21.7 x 17.7 x 2 in 36.2 x 29.1 x 25.6 x 23.2 x 2 in Side View Dimensions 22.5 x 18.6 x 14 x 12 x 2 in 36.2 x 29.1 x 5.6 x 3.2 x 12.in 36.2 x 29.1 x 25.6 x 32.2 x 2 in Side View Dimensions 22.5 x 18.6 x 14 x 12 x 2 in 36.2 x 29.1 x 5.6 x 3.2 x 12.in 36.2 x 29.1 x 25.6 x 3.2 x 2.in Column 13.8 in / 350 mm fixed height, stainless steel 210 x 166 x 400 x 145 x 80 x 371 mm 210 x 166 x 400 x 145 x 80 x 371 mm Leveling Component Externally visible level bubble and adjustable leveling feet with locking nuts 36.2 x 29.1 x 25.6 x 32.2 x 2 in Micharot Construction Stainless steel								
Scale Protection NEMA 4X / IP65 Base Construction 304 stainless steel pan with stainless steel frame, non-slip rubber leveling feet Platom Dimensions (WADxmin H) 12 x 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm 19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mm Front View Dimensions 8.2 x 6.5 x 12 x 4.8 x 3 x 10 in 8.2 x 6.5 x 137 x 5.6 x 3.5 x 17.3 in 210 x 166 x 305 x 119 x 75 x 256 mm 210 x 166 x 420 x 145 x 80 x 371 mm 210 x 166 x 500 x 154 x 90 x 440 mm Side View Dimensions 22.5 x 18.6 x 14 x 12 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 26.3 x 20.7 40 x 650 x 590 x 52 mm Column 13.8 in / 350 mm fixed height, stainless steel 27.6 in / 700 mm fixed height, stainless steel 27.6 in / 700 mm fixed height, stainless steel 28.6 vertoad Capacity 125% of rated capacity 126% of rated capacity 125% of rated capacity 125% of rated capacity 126% of rated cap		30,000 g x 5 g	60,000 g x 10 g	60,000 g x 10 g	150,000 g x 20 g	150,000 g x 20 g	300,000 g x 50 g	
Base Construction 304 stainless steel pan with stainless steel frame, non-slip rubber leveling feet Platform Dimensions (WxDx min H) 12 x 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm 19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mm Front View Dimensions 8.2 x 6.5 x 12 x 4.8 x 3 x 10 in 8.2 x 6.5 x 16.5 x 5.4 x 3.2 x 14.6 in 8.2 x 6.5 x 19.7 x 5.6 x 3.5 x 17.3 in If 1 x 72 x 73 x 74 x 75 x 761 210 x 166 x 305 x 119 x 75 x 256 mm 210 x 166 x 400 x 114 x 00 x 300 x 154 x 90 x 440 mm Side View Dimensions 22.5 x 18.6 x 14 x 12 x 2 in 36.2 x 26.3 x 21.7 x 19.7 x 2 in 36.2 x 29.1 x 25.6 x 23.2 x 2 in Golumn 572 x 472 x 355 x 306 x 52 mm 920 x 668 x 550 x 500 x 52 mm 920 x 740 x 650 x 590 x 52 mm Column 13.8 in / 350 mm fixed height, stainless steel 27.6 in / 700 mm fixed height, stainless steel Leveling Component Externally visible level bubble and adjustable leveling feet with locking nuts Safe Overload Capacity 125% of rated capacity Indicator Construction Stainless steel Weighting Units Ib, oz, Ib: oz, kg, g Functions Weighting, Parts Counting Weighting Construction Stainless steel Stainless of the dight, -steagenet backitit LC	Maximum Displayed Resolution	1:6,000	1:7,500	1:7,500	1:7,500	1:7,500	1:6,000	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Platform Dimensions (WxDx min H)	12 x 14 x 4.8 in / 305 x 355 x 123 mm 16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm 19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mm						
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Power (58-hour typical operation with full charge) Interface Bidirectional 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 33 lb / 15 kg 53 lb / 24 kg 60 lb / 27 kg 84 lb / 38 kg Shipping Weight 41 lb / 19 kg 61 lb / 28 kg 67 lb / 30 kg 96 lb / 44 kg	Span Calibration	5 lb/kg to 100% of capacity, user selectable						
Interface Bidirectional 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 33 lb / 15 kg 53 lb / 24 kg 60 lb / 27 kg 84 lb / 38 kg Shipping Weight 41 lb / 19 kg 61 lb / 28 kg 67 lb / 30 kg 96 lb / 44 kg	Power	100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery						
Operating Temperature Range14°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 condensingNet Weight33 lb / 15 kg53 lb / 24 kg60 lb / 27 kg84 lb / 38 kgShipping Weight41 lb / 19 kg61 lb / 28 kg67 lb / 30 kg96 lb / 44 kg		(58-hour typical operation with full charge)						
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Net Weight 33 lb / 15 kg 53 lb / 24 kg 60 lb / 27 kg 84 lb / 38 kg Shipping Weight 41 lb / 19 kg 61 lb / 28 kg 67 lb / 30 kg 96 lb / 44 kg	Operating Temperature Range							
Shipping Weight 41 lb / 19 kg 61 lb / 28 kg 67 lb / 30 kg 96 lb / 44 kg	Net Weight	33 lb /					/ 38 kg	
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Features

Supprising

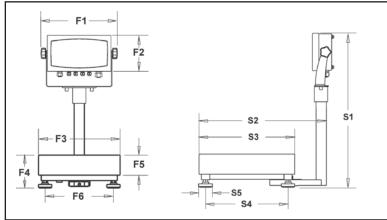
Stainless steel housing with backlit LCD weight display, tactile membrane switches, built-in bidirectional RS232C with manual/continuous/interval printing, hardware configuration lockout switch, internal universal switching power supply and internal sealed lead-acid rechargeable battery. Software included for parts counting mode with selectable sample sizes, selectable span calibration points, averaging level, auto-zero tracking, power saving auto-off, Geo Code geographical gravity calibration adjustment and software menu lockouts.

Stainless steel pan with stainless steel tubular frame, non-slip rubber leveling feet with locking nuts, externally visible level bubble, stainless steel IP67 load cell, down-stops for overload protection, hollow tubular stainless steel columns.

Compliance

- \bullet Safety and EMC: EN60950, EN61326, FCC Class A, CE (AC adapter), $_{\rm c}{\rm UL}_{\rm us}$
- Quality: OHAUS quality management system registered to ISO 9001:2008

Outline Dimensions



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* **ISO 9001** Registered Quality Management System

