



# 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 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 1:6000-7500d
- 304 stainless steel pan with stainless steel frame and stainless steel IP67 load cell
- Indicator features a stainless steel housing with NEMA 4X / IP66 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

# Defender™ 3000 Bench Scales

## Specifications

Models	D31XW30VR	D31XW60VR	D31XW60VL	D31XW150VL	D31XW150VX	D31XW300VX
Capacity x Readability (d)	60 lb x 0.01 lb 960 oz x 0.2 oz 60 lb x 0.2 oz (lb:oz) 30 kg x 0.005 kg 30000 g x 5 g	150 lb x 0.02 lb 2400 oz x 0.5 oz 160 lb x 0.5 oz (lb:oz) 60 kg x 0.01 kg 60000 g x 10 g	150 lb x 0.02 lb 2400 oz x 0.5 oz 160 lb x 0.5 oz (lb:oz) 60 kg x 0.01 kg 60000 g x 10 g	300 lb x 0.05 lb 4800 oz x 1 oz 300 lb x 1 oz (lb:oz) 150 kg x 0.02 kg 150000 g x 20 g	300 lb x 0.05 lb 4800 oz x 1 oz 300 lb x 1 oz (lb:oz) 150 kg x 0.02 kg 150000 g x 20 g	600 lb x 0.1 lb 9600 oz x 2 oz 600 lb x 2 oz (lb:oz) 300 kg x 0.05 kg 300000 g x 50 g
Maximum Displayed Resolution	1:6000	1:7500	1:7500	1:7500	1:7500	1:6000
Scale Protection	NEMA 4X / IP66					
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 (F1 x F2 x F3 x F4 x F5)	8.2 x 6.5 x 12 x 4.8 x 3 x 10 in 210 x 166 x 305 x 119 x 75 x 256 mm		8.2 x 6.5 x 16.5 x 5.4 x 3.2 x 14.6 in 210 x 166 x 420 x 145 x 80 x 371 mm		8.2 x 6.5 x 19.7 x 5.6 x 3.5 x 17.3 in 210 x 166 x 500 x 154 x 90 x 440 mm	
Side View Dimensions (S1 x S2 x S3 x S4 x S5)	22.5 x 18.6 x 14 x 12 x 2 in 572 x 472 x 355 x 306 x 52 mm		36.2 x 26.3 x 21.7 x 19.7 x 2 in 920 x 668 x 550 x 500 x 52 mm		36.2 x 29.1 x 25.6 x 23.2 x 2 in 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					
Weighing Units	lb, oz, lb:oz, kg, g					
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	100 - 240 VAC/50-60 Hz internal switching power supply					
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	
Shipping Weight	40 lb / 18 kg		60 lb / 27 kg		66 lb / 30 kg	
Shipping Dimensions	25.3 x 19.6 x 8.5 in / 642 x 497 x 212 mm		33.7 x 22.2 x 8.9 in / 857 x 564 x 225 mm		40.2 x 27 x 9.7 in / 1022 x 687 x 247 mm	

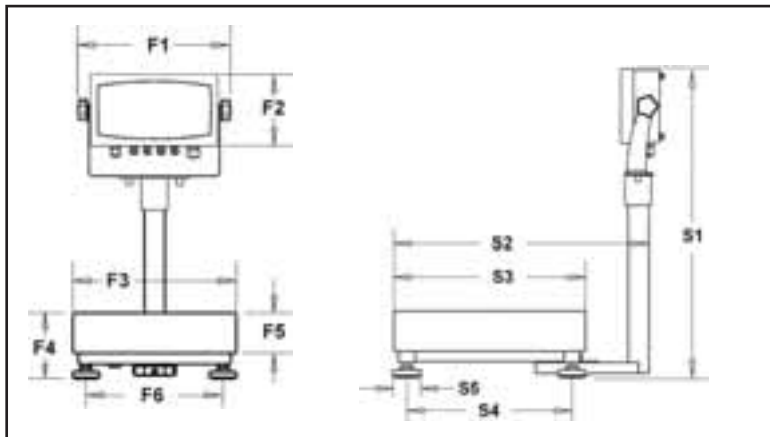
## Features

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. 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. 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

- Safety and EMC: EN60950, EN61326, FCC Class A, CE (AC adapter), cUL<sub>US</sub>
- Quality: OHAUS quality management system registered to ISO 9001:2000

## Outline Dimensions



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