

# Defender™ 3000 Xtreme

Washdown Bench Scales



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

The OHAUS Defender<sup>™</sup> 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	
Patrom Dimensions (WxDx min H)12 x 14 x 4.8 in / 305 x 355 x 123 mm16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm19.7 x 25.6 x 5.8 in / 500 x 650 x 147 mmFront View Dimensions8.2 x 6.5 x 12 x 4.8 x 3 x 10 in8.2 x 6.5 x 5.4 x 3.2 x 14.6 in8.2 x 6.5 x 5.4 x 3.2 x 14.6 in8.2 x 6.5 x 17.7 x 5.6 x 3.5 x 17.3 inIf 1 x F2 x F3 x F4 x F5 x F6)210 x 166 x 305 x 119 x 75 x 256 mm210 x 166 x 402 x 145 x 80 x 371 mm210 x 166 x 500 x 154 x 90 x 440 mmSide View Dimensions22.5 x 18.6 x 14 x 12 x 1 in36.2 x 26.3 x 21.7 x 19.7 x 2 in36.2 x 22.1 x 25.6 x 23.2 x 21 inSide View Dimensions572 x 472 x 355 x 306 x 52 mm920 x 668 x 550 x 500 x 52 mm920 x 740 x 650 x 590 x 52 mmColumn13.8 in / 350 mm fixed height, stainless steel27.6 in / 700 mm fixed height, stainless steelLeveling ComponentExternally visible level bubble and adjustable leveling feet with locking nutsSafe Overload Capacity12.5% of rated capacityIndicator ConstructionStainless steelWeighing UnitsIb, oz, lb, oz, lb, oz, kg, gFunctionsWeighing, Parts CountingWeight Display6-digit, 7-segment backlit LCD, 1 inch / 25 mm high digitsKey Zeroing Range2% or 100% of capacity, user selectableStabilization TimeWithin 2 secondsAuto-zero Tracking0ff, 0.5, 1 or 3 divisionsKey Zeroing Range2% or 100% of capacity, user selectablePower100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (S8-hour typical operation with full charge)InterfaceBidir	Scale Protection	NEMA 4X / IP65						
Front View Dimensions (F1 xF2 xF3 xF4 xF5 xF6) $8.2 x 6.5 x 12 x 4.8 x 3 x 10$ 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 $210 x 166 x 305 x 119 x 75 x 256 mm$ $8.2 x 6.5 x 14.5 x 80 x 371 mm$ $8.2 x 6.5 x 19.7 x 5.6 x 3.5 x 17.3$ in $210 x 166 x 500 x 154 x 90 x 440 mm$ Side View Dimensions $22.5 x 18.6 x 14 x 12 x 2$ 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 $13.8 \text{ in } / 350 \text{ mm fixed height,}$ stainless steel $27.6 \text{ in } / 700 \text{ mm fixed height,}$ $125\% of rate capacityIndicator ConstructionStainless steel27.6 \text{ in } / 700 \text{ mm fixed height,}to zero for a capacityMeighing Units1b, oz, Ib:oz, kg, gFunctionsWeighing, Parts CountingWeight Display6-digit, 7-segment backlit LCD, 1 inch / 25 mm high digitsKeyboard41 function mechanical keys, raised, tactileStabilization TimeWithin 2 secondsAuto-zero TrackingOff, 0.5, 1 or 3 divisionsKey Zeroing Range2\% or 100% of capacity, user selectableSpace100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery(58-hour typical operation with full charge)Interface14°F to 104°F / -10°C to 40°C, Maximum relative humidity 80 % for temperatures up to 88°F / 31°C,decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C,decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C,decreasing linearly to 50 % relative humidity 80 % fo$	Base Construction	304 stainless steel pan with stainless steel frame, non-slip rubber leveling feet						
$\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						
Side View Dimensions22.5 x 18.6 x 14 x 12 x 2 in 572 x 472 x 355 x 306 x 52 mm36.2 x 26.3 x 21.7 x 19.7 x 2 in 920 x 668 x 550 x 500 x 52 mm36.2 x 29.1 x 25.6 x 23.2 x 2 in 920 x 740 x 650 x 590 x 52 mmColumn13.8 in / 350 mm fixed height, stainless steel27.6 in / 700 mm fixed height, stainless steel920 x 740 x 650 x 590 x 52 mmLeveling ComponentExternally visible level bubble and adjustable leveling feet with locking nuts125% of rated capacityIndicator ConstructionStainless steelWeighing UnitsIb, oz, Ib:oz, kg, gFunctionsWeighing, Parts CountingWeighing UnitsVeighing, Parts CountingWeight Display6-digit, 7-segment backlit LCD, 1 inch / 25 mm high digitsKeyboard4 function mechanical keys, raised, tactileStabilization TimeWithin 2 secondsAuto-zero TrackingOff, 0.5, 1 or 3 divisionsKey Zeroing Range2% or 100% of capacity, user selectablePower100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (58-hour typical operation with full charge)InterfaceBidirectional RS232COperating Temperature Range14°F to 104°F / -10°C to 40°C, Maximur relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 404°F / 40°C, non condensingNet Weight33 1b / 15 kg53 1b / 24 kg60 1b / 27 kg84 1b / 38 kgShipping Weight4	Front View Dimensions					5.6 x 3.5 x 17.3 in		
(S1 x S2 x S3 x S4 x S5)   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     Weighing Units   Ib, oz, Ib: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     Staibilization Time   Within 2 seconds     Auto-zero Tracking   Off, 0.5, 1 or 3 divisions     Key Zeroing Range   2% or 100% of capacity, user selectable     Power   100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (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	(F1 x F2 x F3 x F4 x F5 x F6)	210 x 166 x 305 x <sup>-</sup>	0 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		154 x 90 x 440 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   Ib, oz, Ib: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, user selectable     Power   100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (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 at 104°F / 40°C, on 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		22.5 x 18.6 x 14 x 12 x 2 in						
Column   stainless steel   27.6 m/ 700 mm nxed meight, 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   Ib, 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 with internal rechargeable sealed lead-acid battery (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 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative h	(S1 x S2 x S3 x S4 x S5)			920 x 668 x 550 x 500 x 52 mm 920 x 740 x 650 x 590 x 52 mm				
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   Ib, oz, lb.oz, kg, g     Functions   Weighing, Parts Counting     Weigh 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, user selectable     Span Calibration   5 lb/kg to 100% of capacity, user selectable     Power   100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (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	Column					91		
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 with internal rechargeable sealed lead-acid battery (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 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 % relative humidity 80 % for temperatures up to 88°F / 31°C, decreasing linearly to 50 %	Leveling Component							
Weighing Units Ib, 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 with internal rechargeable sealed lead-acid battery (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 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	Safe Overload Capacity	125% of rated capacity						
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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 with internal rechargeable sealed lead-acid battery (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	Functions	Weighing, Parts Counting						
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 with internal rechargeable sealed lead-acid battery (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	Weight Display							
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 with internal rechargeable sealed lead-acid battery (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	Keyboard	4 function mechanical keys, raised, tactile						
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 with internal rechargeable sealed lead-acid battery (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	Stabilization Time	Within 2 seconds						
Span Calibration 5 lb/kg to 100% of capacity, user selectable   Power 100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (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	Auto-zero Tracking	Off, 0.5, 1 or 3 divisions						
Power 100 - 240 VAC/50-60 Hz internal switching power supply with internal rechargeable sealed lead-acid battery (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	Key Zeroing Range	2% or 100% of capacity						
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						
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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)						
Operating Temperature Range   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	Interface	Bidirectional RS232C						
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** 

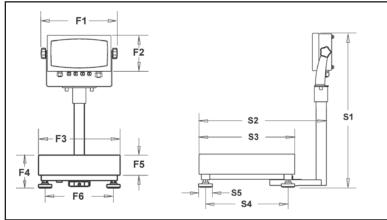
Stainless steel housing with backlit LCD weight display, tactile membrane switches, built-in bidirectional RS232C with manual/continuous/interval printing, hardware configuration lockout switch, internal universal switching power supply and internal sealed lead-acid rechargeable battery. Software included 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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