



# Defender<sup>®</sup> 2200 Series

Bench Scales



## ***Designed for Dependability and Durability at a Practical Price!***

The OHAUS Defender 2200 Series of bench scales offers OHAUS' signature accuracy for commercial and industrial weighing applications at an unbeatable price. Depend on the OHAUS Defender 2200 Series when you need accuracy you can count on while maximizing your budget.

### ***Standard Features Include:***

- Four popular capacities (30kg, 60kg, 150kg, 300kg) in 3 industry-standard sizes (305 x 355 mm, 420 x 550 mm and 500 x 650 mm)
- 304 Stainless steel pan with painted carbon steel frame and aluminum IP65 load cell
- Column mount welded to frame ensures stability of column and indicator when in use
- 25mm high LCD weight display with high-contrast backlight
- Indicator features a high-impact durable ABS housing with reversible face for either wall, column or table-top mounting
- Built-in RS232 for printing and data connection

# Defender® 2200 Series Bench Scales

Model	D22M30BRPL	D22M60BRPL	D22M60BLPL	D22M150BLPL	D22M150BXPL	D22M300BXPL
Capacity (max) x Readability (d=e)	30 × 0.01 kg 30000 g × 20 g	60 × 0.02 kg 60000 g × 20 g	60 × 0.02 kg 60000 g × 20 g	150 × 0.05 kg 150000 g × 50 g	150 × 0.05 kg 150000 g × 50 g	300 × 0.1 kg 300000 g × 100 g
Recommended Disp. Resolution	1:6000	1:7500	1:7500	1:7500	1:7500	1:6000
Load Cell Protection	Aluminum with IP65					
Base Construction	Stainless Steel pan, painted carbon steel frame, non-slip rubber leveling feet					
Platform Dimensions (W × D)	305 x 355 mm		420 x 550 mm		500 x 650 mm	
Front View Dimensions (F1 × F2 × F3 × F4 × F5 × F6)	210 x 166 x 305 x 123 x 75 x 256 mm		210 x 166 x 420 x 136 x 80 x 371 mm		210 x 166 x 500 x 147 x 100 mm	
Side View Dimensions (S1 × S2 × S3 × S4 × 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	350 mm fixed height, tubular painted steel		700 mm fixed height, tubular painted steel			
Leveling Component	Externally visible level bubble and adjustable leveling feet with locking nuts					
Safe Overload Capacity	125% of capacity					
Indicator Construction	ABS plastic housing with painted carbon steel rear housing					
Weighing Units	kg, g, lb					
Application Modes	Parts Counting, Display Hold, Checkweighing, Weight Accumulation					
Display	6-digit, 7-segment backlit LCD, 25 mm high digits					
Keyboard	4 function mechanical keys, raised, tactile					
Zero Range	2% or 100% of full scale capacity					
Stabilization Time	Within 2 seconds					
Auto-Zero Tracking	Off, 0.5, 1 or 3 divisions					
Span Calibration	5 kg to 100% of capacity, user selectable					
Power	AC adapter					
Interface	Bi-directional RS232C					
Operating Temperature Range	-10°C to 40°C / 14°F to 104°F, Maximum relative humidity 80 % for temperatures up to 31°C / 88°F decreasing nearly to 50 % relative humidity at 40°C / 104°F, non condensing					
Net Weight	12 kg		19 kg		32 kg	
Shipping Weight	15 kg		23 kg		37 kg	
Shipping Dimensions	642 x 497 x 212 mm		857 x 564 x 225 mm		2022 x 687 x 247 mm	

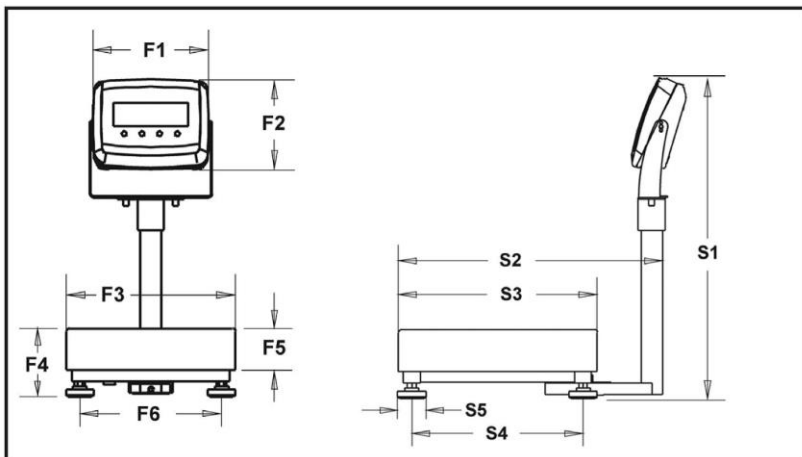
## Other Standard Features and Equipment

Indicator with ABS plastic housing, LCD display, tactile mechanical keys, Bi-directional RS232C with manual/continuous/interval printing, hardware configuration lockout switch, AC adapter. Software included for parts counting mode with selectable sample sizes, display hold, checkweighing and weighing totalization (Accumulation) functions. Stainless steel pan with painted carbon steel frame, non-slip rubber leveling feet, aluminum IP65 load cell.

## Compliance

- Product Safety: EN60950, EN61326
- Electromagnetic Compatibility: 2004/108/EC

## Dimensions



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\* ISO 9001:2008

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