



# Defender<sup>®</sup> 3000

Economical Low Profile Bench Scales



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

The OHAUS Defender 3000 Series economy line of bench scales is ideal for general weighing and simple counting applications in production, packaging, warehouse, inventory, shipping and receiving areas. The Defender 3000 Series feature a simple, rugged tubular steel base with overload stops and durable stainless steel pan. The Defender 3000 Series is the solution to your weighing applications that require dependability within an affordable budget.

### **Standard Features:**

- Four Capacities: 33 lb/15 kg, 66 lb/30 kg, 132 lb/60 kg, and 330 lb/150 kg (depending on calibration unit used).
- Default resolution 1:6,000 to 1:7,500; NTEP certified and Measurement Canada approved to 3,000e.
- 304 stainless steel pan with painted carbon steel frame and aluminum IP67 load cell
- Indicator features a high-impact durable ABS plastic housing with painted steel mounting to front of scale base for applications requiring a low-profile. Mounting has handle built in for easy transportation.
- Adjustable non-slip rubber leveling feet with externally visible level indicator
- Multiple weighing units: lb, oz, lb:oz, kg, g (depending on model)
- 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
- AC adapter and internal rechargeable lead acid battery included

***Ingeniously Practical***

# Defender<sup>®</sup> 3000 Economical Low Profile Bench Scale

Models	D31P15BR5	D31P30BR5	D31P60BR5	D31P60BL5	D31P150BL5
Capacity × Readability (d)	33 lb × 0.005 lb 528 oz × 0.05 oz 33 lb × 0.05 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 30 kg × 0.005 kg 30,000 g × 5 g	132 lb × 0.02 lb 2,112 oz × 0.5 oz 132 lb × 0.5 oz 60 kg × 0.01 kg 60,000 g × 10 g	132 lb × 0.02 lb 2,112 oz × 0.5 oz 132 lb × 0.5 oz 60 kg × 0.01 kg 60,000 g × 10 g	330 lb × 0.05 lb 5,280 oz × 0.5 oz 330 lb × 0.5 oz 150 kg × 0.02 kg 150,000 g × 20 g
Capacity × Readability (d) (Cal unit lb)	30 lb × 0.005 lb 480 oz × 0.1 oz 30 lb × 0.1 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 27 kg × 0.005 kg 27,000 g × 5 g	150 lb × 0.02 lb 2,400 oz × 0.2 oz 150 lb × 0.2 oz 68 kg × 0.01 kg 68,000 g × 10 g	150 lb × 0.02 lb 2,400 oz × 0.2 oz 150 lb × 0.2 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 136 kg × 0.02 kg 136,000 g × 20 g
Displayed Resolution	1:7,500	1:6,000	1:7,500	1:7,500	1:7,500
Capacity × Readability approved (e) (Cal unit lb)	30 lb × 0.01 lb 480 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
Approved Resolution	1:3,000				
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	
Front View Dimensions (F1 × F2 × F3 × F4 × F5 × F6)	8.3 × 6.5 × 12 × 4.8 × 2.9 × 10.1 in 210 × 166 × 305 × 123 × 75 × 256 mm			8.3 × 6.5 × 16.5 × 5.4 × 3.2 × 14.6 in 210 × 166 × 420 × 136 × 80 × 371 mm	
Side View Dimensions (S1 × S2 × S3 × S4 × S5)	5.1 × 23.8 × 13.8 × 12 × 2 in 130 × 605 × 355 × 306 × 52 mm			5.1 × 31.5 × 21.7 × 19.7 × 2 in 130 × 800 × 550 × 500 × 52 mm	
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	14°F to 104°F / -10°C to 40°C, Maximum relative humidity 80 % for temperatures up to 88°F / 31°C				
Range	Decreasing linearly to 50 % relative humidity at 104°F / 40°C, non condensing				
Net Weight	25 lb / 11.5 kg			43 lb / 19.5 kg	
Shipping Weight	33 lb / 15 kg			51 lb / 23 kg	
Shipping Dimensions	25.3 × 19.6 × 8.5 in / 642 × 497 × 212 mm			33.7 × 22.2 × 8.9 in / 857 × 564 × 225 mm	

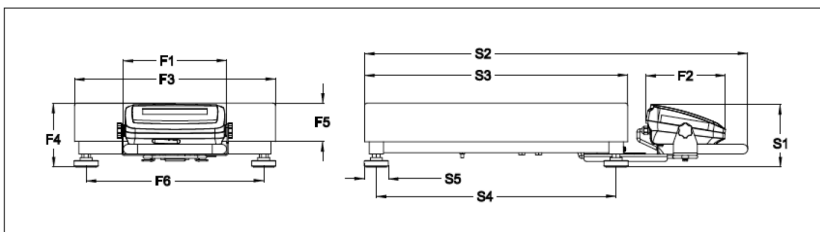
## Features

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, cULus, RCM
- **Metrology:** Measurement Canada (Indicator: NoA AM-5713C, Platforms: NoA AM-5667); NTEP (Indicator: CC 08-066, Platforms: CC 08-021)
- **Product Safety:** EN 61010-1; 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

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*The management system governing the manufacture of this product is ISO 9001:2015 certified.*

