



# DEFENDER™ 3000

Bench Scales



## Bench Scales for Basic Industrial Applications

The Defender 3000 Series bench scales are ideal for general weighing, simple counting and checkweighing applications in production, packaging, warehouse, inventory, shipping and receiving areas. The Defender 3000 Series features a simple, yet rugged tubular-frame base design and indicators with tactile keys, multicolor backlit LCD display, AC or rechargeable battery operation and flexible mounting capabilities.

### Unique Features:

- Results are clearly shown using the large, bright backlit LCD display. In Checkweighing mode display changes color (yellow/green/red) to alert when within the target weight range.
- This tough industrial scale features a 304-stainless steel platform, powder-coated steel tubular frame, column and aluminum load cell. Indicator features a durable ABS housing and powder coated steel mounting bracket.
- Features software for Parts Counting, Checkweighing and Totalization. Includes RS232 with optional USB Device or Ethernet for printing or data connectivity.

# DEFENDER™ 3000

## Specifications

## Bench Scales

### Column Mount Bench Scale

Model	i-D33P15B1R1	i-D33P30B1R1	i-D33P60B1R1	i-D33P60B1L2	i-D33P150B1L2
Capacity x Default Readability	15kg x 1 g	30Kg x 2g	60kg x 5g		150kg x 10g
Maximum Displayed Resolution	1:15,000		1:12,000		1:15,000
Linearity/Repeatability	+2d				
Indicator	ABS Indicator				
Column	330 mm powder-coated steel			680 mm powder-coated steel	
Base Constructions	Stainless steel removable weighing platform, powder coated steel base construction, aluminum loadcell silicon sealed against moisture				
Safe Overload Capacity	150% of maximum capacity				
Stabilization Time	Within 1 second				
Operating Temperature Range	-10°C to 40°C				
Scale Dimensions (AxBxCxDxExF)	355 x 305x 121.8 x 75 x 541.6 x 489.1mm			550 x 420 x 134 x 80 x 896.1 x 685.6mm	
Shipping Dimensions (LxWxH)	642 x 497 x 212mm			857 x 564 x 225	
Approx. Net Weight	10.9kg			17.5 kg	
Approx. Shipping Weight	13.9kg			21.5kg	

Model	i-D33P150B1X2	i-D33P300B1X2	i-D33P300B1V3	i-D33P600B1V3	
Capacity x Default Readability	150kg x 10 g	300Kg x 20g	300kg x 20g	600kg x 50g	
Maximum Displayed Resolution	1:15,000			1:12,000	
Linearity/Repeatability	+2d				
Indicator	ABS Indicator				
Column	680 mm powder-coated steel		980 mm powder-coated steel		
Base Constructions	Stainless steel removable weighing platform, powder coated steel base construction, aluminum loadcell silicon sealed against moisture				
Safe Overload Capacity	150% of maximum capacity				
Stabilization Time	Within 1 second				
Operating Temperature Range	-10°C to 40°C				
Scale Dimensions (AxBxCxDxExF)	650 x 500 x 150 x 90 x 894.6 x 784.6mm		800 x 600 x 154.1 x 90 x 1194.6 x 933.1mm		
Shipping Dimensions (LxWxH)	1022 x 687 x 247mm		1165 x 780 x 235 mm		
Approx. Net Weight	27.6kg		46kg		
Approx. Shipping Weight	31.1kg		50kg		

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## Specifications

## Bench Scales

### Front Mount Bench Scale

Model	i-D33P15B1R5	i-D33P30B1R5	i-D33P60B1R5	i-D33P60B1L5	i-D33P60B1L5	i-D33P150B1X5	i-D33P300B1X5
Capacity x Default Readability	15kg x 1 g	30Kg x 2g	30kg x 5g		150Kg x 10g		300Kg x 20g
Maximum Displayed Resolution	1:15,000		1:12,000		1:15,000		
Linearity/Repeatability	+2d						
Indicator	ABS Indicator						
Mount	304 stainless steel front-mount bracket with handle						
Base Constructions	Stainless steel removable weighing platform, powder coated steel base construction, aluminum loadcell silicon sealed against moisture						
Safe Overload Capacity	150% of maximum capacity						
Stabilization Time	Within 1 second						
Operating Temperature Range	-10°C to 40°C						
Scale Dimensions (AxBxCxDxExF)	355 x 305 x 121.8 x 75 x 130 x 645.5 mm			550 x 420 x 134 x 80 x 132.9 x 842 mm		650 x 500 x 150 x 90 x 133 x 941 mm	
Shipping Dimensions (LxWxH)	857 x 564 x 225 mm			1022 x 687 x 247 mm		1022 x 687 x 247 mm	
Approx. Net Weight	10.2 kg			16.1 kg		26.2kg	
Approx. Shipping Weight	12.5 kg			20.1 kg		29.7 kg	

### Indicators

Model	i-DT33P
Construction	ABS housing, painted steel mounting bracket
Protection Rate	IP54 with dust cover
Weighing Units	Kilogram, Gram, Pound, Ounce, Pound: Ounce
Application Modes	Weighing, Parts Counting, Checkweighing and Totalization
Display	6-digit, 7-segment LCD display with multi-color backlight, 45 mm high digits
Check Indicator	3 Color (red, green, yellow) backlight
Keyboard	4 function keys
Auto-zero Tracking	Off, 0.5 d, 1 d or 3 d
Zeroing Range	2% or 100% of capacity
Interface	RS232 included, Optional USB, Ethernet
Power	100-240 VAC / 50/60 Hz Universal Power Supply or Standard Rechargeable battery
Battery Life	Up to 100 hours continuous use with backlight off
Calibration	Zero, Span or 3 point-Linear