



# DEFENDER<sup>®</sup> 3000

Indicators



i-DT33P



i-DT33XW



Counting function is  
not legal-for-trade



## Indicator for Basic Industrial Applications

Designed with affordability in mind for basic industrial applications, the Defender 3000 indicator combines a large multicolor backlit LCD display with bi-directional RS232. The Defender 3000 indicator also features software for Weighing, Parts Counting, Checkweighing and Totalization.

### 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.
- Features software for Parts Counting, Checkweighing and Totalization. Includes RS232 with optional second port USB Device or Ethernet for printing or data connectivity.
- i-D33P indicator features a durable ABS housing and powder coated steel mounting bracket; i-D33XW indicator features an IP66 stainless steel housing and mounting bracket. Display resolution up to 1:30,000; NTEP and Measurement Canada approved to 1:6,000.

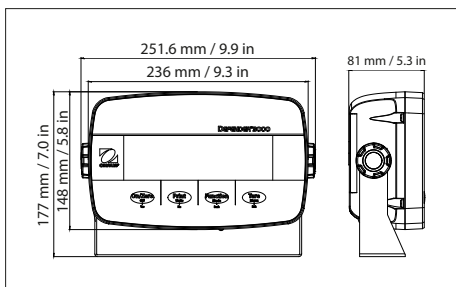
# DEFENDER<sup>®</sup> 3000 Indicators

## Specifications

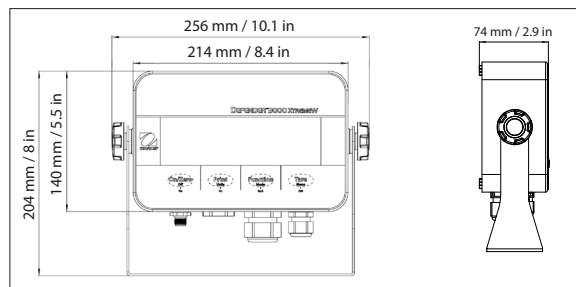
MODEL	i-DT33P	i-DT33XW
Construction	ABS housing, powder coated steel mounting bracket	304 stainless steel housing and mounting bracket
Protection	IP54 (with optional dust cover)	IP66
A/D Conversion Rate	80 Hz	
Capacity Selections	Up to 99,999 g/kg/lb/t	
Maximum Displayed Resolution	1:30,000	
Maximum Approved Resolution	1:6,000 Class III/IIIL NTEP and Class III/IIILD Measurement Canada	
Weighing Units	g, kg, lb, oz, lb:oz, metric tonnes	
Application Modes	Weighing, Counting, Checkweighing, Totalization	
Display	6-digit, 7-segment LCD display with multi-color backlight, 45 mm / 1.8 in high digits	
Check Indicator	3 color (red, green, yellow) backlight	
Keyboard	4 membrane function keys	
Auto-zero Tracking	Off, 0.5 d, 1 d or 3 d	
Zeroing Range	2% or 100% of capacity	
Calibration	Zero, Span or 3 point-Linear	
Span Calibration	1 kg or 1 lb to capacity	
Internal Resolution	68,500 counts per mV/V per second	
Digital Filtering/Type	Averaging	
Load Cell Excitation Voltage	5VDC	
Load Cell Drive	Up to 6 x 350 ohm load cells	
Load Cell Input Sensitivity	Up to 3 mV/V	
Stabilization Time	Within 1 second	
Power	100-240 VAC / 50/60 Hz Universal Power Supply or C cell battery (Not included) or optional internal rechargeable battery	100-240 VAC / 50/60 Hz Universal Power Supply, hardwired or standard rechargeable battery
Battery Life	Up to 360 hours continuous use with backlight off (C cell battery) or up to 100 hours continuous use with backlight off (optional rechargeable battery)	Up to 100 hours continuous use with backlight off
Interface	RS232 included, Optional second port USB Device or Ethernet	
Shipping Dimensions	300 x 265 x 135 mm / 11.8 x 10.4 x 5.3 in	
Product Dimensions (with bracket)	251.6 x 177 x 81 mm / 9.9 x 7.0 x 5.3 in	256 x 204 x 74 / 10.1 x 8 x 2.9 in
Approx. Net Weight	1.4 kg / 3.1 lb	3 kg / 6.6 lb
Approx. Shipping Weight	1.8 kg / 4 lb	3.4 kg / 7.5 lb
Operating Temperature Range	14°F to 104°F / -10°C to 40°C	

## Outline Dimensions

i-DT33P



i-DT33XW



## Compliance

- **Metrology:** NTEP: CC 21-070 Class III, III L; Measurement Canada: AM-6183 Class III, IIIHD
- **Product Safety:** UL61010-1; CAN/CSA C22.2 61010-1; IEC/EN 61010-1
- **Electromagnetic Compatibility:** FCC Part 15 Class A; Canada ICES-003 Class A; IEC/EN 61326-1 Class B, basic environments
- **Ingress Protection:** IEC 60529 – IP66 (for i-DT33XW), IEC 60529 – IP54 (for i-DT33P with optional dust cover)
- **Compliance Marks:** CSA, CE
- **Other:** WEEE, RoHS

## Accessories

Loadcell Extension Cable, 9 meters*	30424409
Ethernet Kit.....	30429666
USB Device Kit i-DT33 .....	30699120
Dust Cover i-DT33 .....	30699121
Rechargeable Battery Kit i-DT33P .....	30699122
SF40A Printer .....	30064203
Cable RS232 i-DT33P .....	80500525
Cable RS232 i-DT33XW.....	80500552

\* Cannot be used for legal-for-trade applications