



## ***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 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 a IP66 stainless steel housing and mounting bracket. Display resolution up to 1:30,000; OIML approved resolution to 1:10,000.

# DEFENDER™ 3000 Indicators

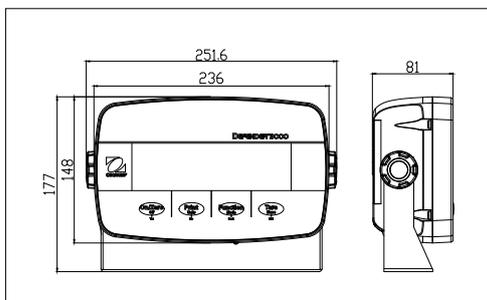
## Specifications

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 (NTEP/Measurement Canada) Class III, 1:10000 or 2 x 3000e Class III @ 1 µV/e (EC, OIML)	
Weighing Units	g, kg, lb, oz, lb:oz, t	
Application Modes	Weighing, Counting, Checkweighing, Totalization	
Display	45mm digit height LCD display with 3-color backlight	
Keyboard	4 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 standard rechargeable battery	100-240 VAC / 50/60 Hz Universal Power Supply, hardwired or standard rechargeable battery
Battery Life	Up to 100 hours continuous use with backlight off (rechargeable battery)	
Interface	RS232 included, Optional USB, Ethernet	
Shipping Dimensions	300 x 265 x 135 mm	
Product Dimensions (with bracket)	251.6 x 177 x 81 mm	256 x 206 x 74 mm
Approx. Net Weight	1.9 kg	3 kg
Approx. Shipping Weight	2.3 kg	3.4 kg
Operating Temperature Range	-10°C to 40°C	

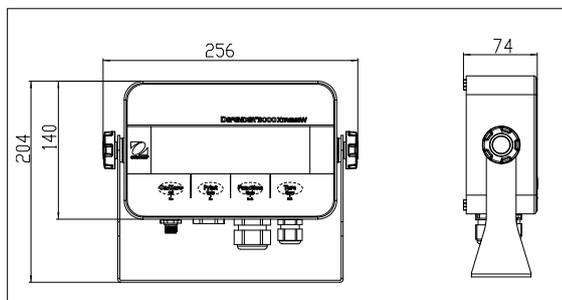


## Outline Dimensions

i-DT33P



i-DT33XW



## Compliance

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

## Accessories

Ethernet Kit.....	30429666
USB Device Kit i-DT33 .....	30699120
Dust Cover i-DT33 .....	30699121
SF40A Printer .....	30045641
Cable RS232 i-DT33P .....	80500525
Cable RS232 i-DT33XW.....	80500552

## OHAUS Asia/Pacific Headquarters

7F, Block 33, 680 Guiping Road  
Shanghai 200233  
China

e-mail: APmarketing@ohaus.com  
Tel: +86 21 64855408

With offices throughout  
Europe, Asia, and  
Latin America

\* ISO 9001:2008

Registered Quality  
Management System

