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.

- When connecting to Defender 3000 bases, the EasyConnect™ technology allows instant connection and use of the scale without extra configuration.

- 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, IP54 with the optional dust cover; i-D33XW indicator features an IP66 stainless steel housing and mounting bracket. Display resolution up to 1:30 000; OIML approved resolution to 1:10 000.
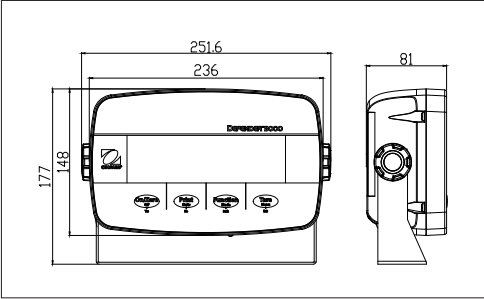
DEFENDER™3000 *Indicators*

Specifications

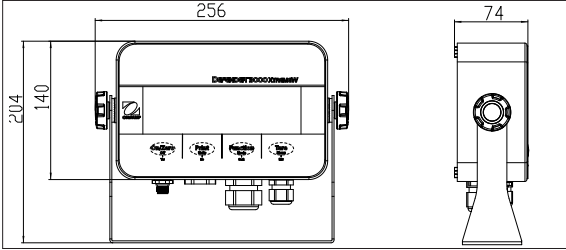| Model	i-DT33P	i-DT33XW
Construction	ABS housing, powder coated steel mounting bracket	304 stainless steel housing and mounting bracket
Protection	IP54 (with optional dust cover)	IP66
A/D Conversion Rate	80 Hz	
Capacity Selections	Up to 99 999 g/kg/t	
Maximum Displayed Resolution	1:30 000	
Maximum Approved Resolution	1:10 000 or 2 × 3 000e Class III @ 1 µV/e (EC, OIML)	
Weighing Units	Kilogram, Gram, Pound, Ounce, Pound: Ounce (Kilogram, Gram only for M models)	
Application Modes	Weighing, Counting, Checkweighing, Totalization	
Display	45 mm 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 to capacity	
Internal Resolution	68 500 counts per mV/V	
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	100-240 VAC / 50/60 Hz Universal Power Supply or C cell battery (Not included) or internal rechargeable battery (optional)	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	1.4 kg	3 kg
Approx. Shipping Weight	1.8 kg	3.4 kg
Operating Temperature Range	-10°C to 40°C	

Outline Dimensions

i-DT33P

i-DT33XW

Compliance

- **Metrology:** EN45501; OIML R76
- **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)
- **Compliance Marks:** CE
- **Other:** WEEE, RoHS

Accessories

* Cannot be used for legal-for-trade applications

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