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.
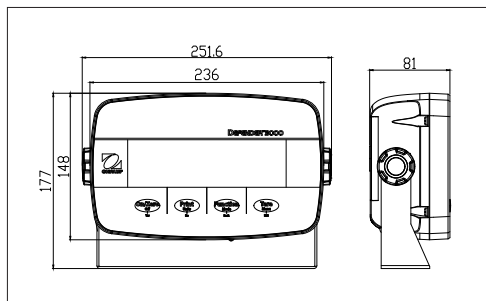
DEFENDER™ 3000 *Indicators*

Specifications

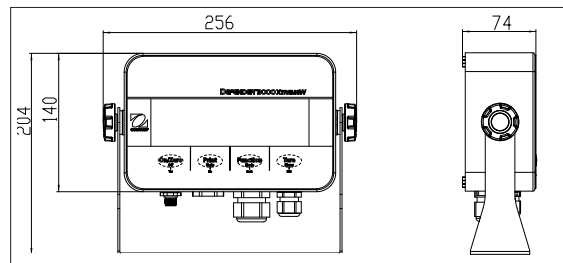| Model	i-DT33P	i-DT33XW
Construction	ABS housing, powder coated steel mounting bracket	304 stainless steel housing and mounting bracket
Protection	IP54 (with optional dust cover)	IP66
A/D Conversion Rate	80 Hz	
Capacity Selections	Up to 99 999 g/kg/t	
Maximum Displayed Resolution	1:30 000	
Maximum Approved 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 internal rechargeable battery (optional)	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 (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, UKCA
- **Other:** WEEE, RoHS

Accessories

Ethernet Kit	30429666
USB Device Kit i-DT33	30699120
Dust Cover i-DT33	30699121
Rechargeable Battery Kit i-DT33P	30699122
SF40A Printer	30064202
SF-110B Printer	30708371
Cable RS232 i-DT33P	80500525
Cable RS232 i-DT33XW	80500552
LC Extension Cable, 9 meters*	30424409
LC Extension Cable, 3.5 meters*	30803566
DB9 Adapter, Male to Male	30692384

* Cannot be used for legal-for-trade applications

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