



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

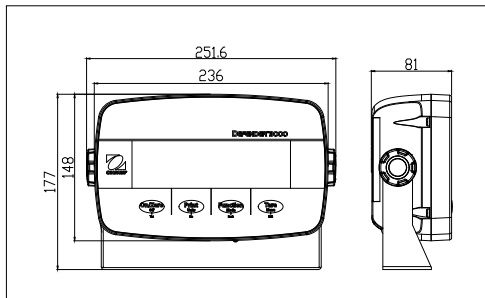
Specifications

| 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 | 1:10000 or 2 x 3000e 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) | 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) | 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 | |

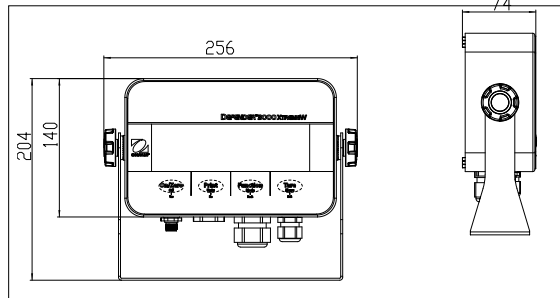


Outline Dimensions

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 |
| Cable RS232 i-DT33P | 80500525 |
| Cable RS232 i-DT33XW..... | 80500552 |

OHAUS Europe GmbH

Heuwinkelstrasse 3,
8606 Nänikon,
Switzerland

e-mail: ssc@ohaus.com
Tel: 0041 22 567 53 19
e-mail: tsc@ohaus.com
Tel: 0041 22 567 53 20

www.ohaus.com

The management system
governing the manufacture of
this product is ISO 9001:2015
certified.

