



# OHAUS 3000 Series

Economy Indicators



T32ME (LED version)



T32MC (LCD version)



T31P Indicator  
shown with optional bracket



T32XW Indicator



## Designed With Affordability In Mind For Industrial Applications!

Now available in four models, the OHAUS 3000 Series of Economical Indicators offer software modes for common industrial weighing applications:

- The T31P combines a high-impact ABS housing with a large backlit LCD display, bi-directional RS232 and 120-hour internal rechargeable battery. The T31P features software for weighing and simple parts counting.
- The T32XW replaces the T31XW with the addition of an improved NEMA4X/IP65 washdown all stainless steel housing and a 58-hour internal rechargeable battery. The T32XW also features software for weighing and simple parts counting. Stainless steel mounting bracket included.
- The new T32MC and T32ME versions are designed for floor scale and other installations where internal battery power are not required. Both feature a painted steel housing with high-impact ABS faceplate, bi-directional RS232 and software for weighing, simple parts counting, basic checkweighing, display hold and accumulation of weight results. Painted steel mounting bracket included.

### Standard Features Include:

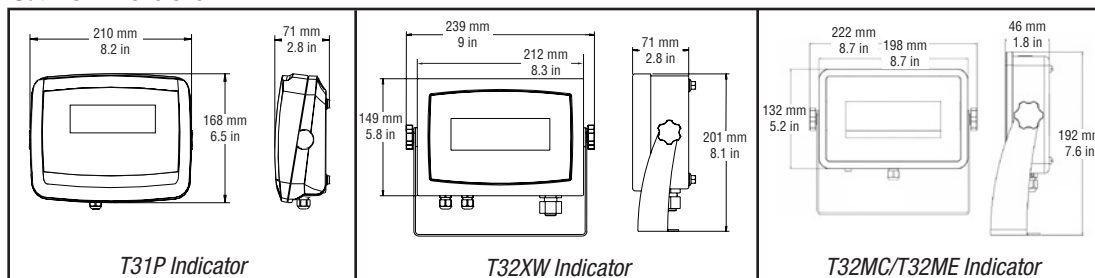
- lb, oz, lb-oz, kg and g weighing units
- Ability to drive up to four 350Ω load cells
- Up to 20,000 lb/kg capacity with 20,000d maximum displayed default weighing resolution
- 6,000d NTEP certified and Measurement Canada approved Legal-for-Trade weighing resolution
- Minimum parts counting average piece weight of 1d
- Built-in bi-directional RS232C for printing or connection to PC
- Adjustable filtering levels to meet the requirements of industrial environments

# 3000 Series Economy Indicators

## Specifications

| Model                                    | T31P   | T32XW   | T32MC  | T32ME   |
|--|--|---|--|---|
| Full Scale Capacity Range                | 5 to 20,000 lb or kg   |   |  |   |
| Displayed Resolution                     | 1:20,000 max / 1:6,000 NTEP Certified / Measurement Canada Approved  |   |  |   |
| Construction                             | ABS plastic  | Stainless steel NEMA 4X/IP65; includes stainless steel table-wall mount bracket   | ABS plastic front panel with painted carbon steel rear housing; includes painted carbon steel table-wall mount bracket |   |
| Weight Display                           | 6-digit, 7-segment LCD<br>1 in. / 25 mm digit height, with high-contrast white LED backlight   |   |  | 6-digit, 7-segment red LED<br>0.8in / 20mm digit height |
| Keyboard                                 | 4-button mechanical switches, raised tactile keys  | 4-button membrane switch, raised tactile keys   | 4-button mechanical switches, raised tactile keys  |   |
| Weighing Units                           | lb, oz, lb-oz, kg, g   |   |  |   |
| Extra Functions/Modes                    | Parts Counting   |   | Parts Counting, Display Hold, Checkweighing, Weight Accumulation   |   |
| Checkweigh Display                       | ---  |   | 3 LED: Red-green-yellow (Over-Accept-Under)  |   |
| Minimum Average Piece Weight             | 1d   |   |  |   |
| Load Cell Excitation / Input Sensitivity | 5V DC / up to 3 mV/V (min 1 $\mu$ V/d)   |   |  |   |
| Load Cell Drive                          | Up to four 350 load cells  |   |  |   |
| Stabilization Time                       | Within 2 seconds   |   |  |   |
| Zeroing Range                            | 2% or 100% of capacity   |   |  |   |
| Auto-zero Tracking                       | Off, 0.5, 1 or 3 scale divisions   |   |  |   |
| Span Calibration                         | 5 lb or 5 kg to 100% capacity  |   |  |   |
| Interface                                | Bidirectional RS232C   |   |  |   |
| Operating Temperature Range              | 14°F to 104°F / -10°C to 40°C<br>Maximum relative humidity 80 % for temperatures up to 31°C / 88°F,<br>decreasing linearly to 50 % relative humidity at 40°C / 104°F, non condensing |   |  |   |
| Power                                    | 9 VDC, 0.5A, AC adapter or internal rechargeable, sealed lead-acid battery (100-hour typical operation with full charge)   | 100-240 VAC / 50-60 Hz, internal power supply or internal rechargeable, sealed lead-acid battery (58-hour typical operation with full charge) | 9-12 VDC, 0.5A, external AC adapter  |   |
| Enclosure Dimensions (W x D x H)         | 8.2 x 2.8 x 6.5 in. / 210 x 71 x 168 mm  | 8.3 x 2.8 x 5.8 in. / 212 x 71 x 149 mm   | 7.8 x 1.8 x 5.2 in / 198 x 46 x 132 mm   |   |
| Net Weight                               | 3.6 lb / 1.6 kg  | 7.1 lb / 3.2 kg   | 1.5 lb / 0.7 kg  |   |
| Shipping Dimensions (W x D x H)          | 10.7 x 9.3 x 6.9 in / 272 x 235 x 175 mm   | 10.7 x 9.2 x 7.2 in / 272 x 234 x 182 mm  | 10.7 x 9.2 x 7.2 in / 271 x 234 x 182 mm   |   |
| Shipping Weight                          | 5.7 lb / 2.6 kg  | 9.7 lb / 4.4 kg   | 4.0 lb / 1.8 kg  |   |

## Outline Dimensions



## Accessories

RS232 Interface cables:

- To PC 25-pin for T31P, T32MC and T32ME .....80500524
- To PC 9-pin for T31P, T32MC and T32ME .....80500525
- To 80252042 printer for T31P, T32MC and T32ME.....80252571
- RS232cable and adapter, 80252042 printer to T32XW .....80252574
- RS232 cable, PC 9 pin to T32XW .....80500552
- Compact dot matrix impact printer.....80252042

## Compliance

- **Safety and EMC:** EN60950, EN61326, FCC, CE,  $UL_{US}$
- **Legal for Trade:** T31P and T32XW: Measurement Canada AM-5713C rev. 1; NTEP 08-066 A1  
T32M and T32XW: Measurement Canada AM-5747C; NTEP 09-090
- **Quality:** OHAUS quality management system registered to ISO 9001:2008

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## \* ISO 9001

Registered Quality Management System

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