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.

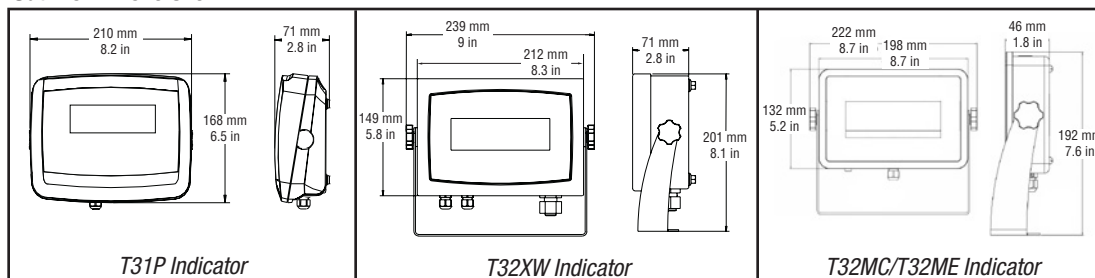### Standard Features Include:

- • 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 1 in. / 25 mm digit height, with high-contrast white LED backlight | | 6-digit, 7-segment red LED 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 µV/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 Maximum relative humidity 80 % for temperatures up to 31°C / 88°F, 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



*T31P Indicator*

*T32XW Indicator*

*T32MC/T32ME Indicator*

## Accessories

RS232 Interface cables:

## Compliance

- **Safety and EMC:** EN60950, EN61326, FCC, CE, $_c$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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