



# Indicators



## Ingeniously Practical

ISO 9001:2008

Registered Quality Management System

2011



## 7000 SERIES INDICATORS

- ✓ 1:50,000 maximum displayed weighing resolution, maximum counting resolution to 1:500,000
- ✓ T71P features a high-impact, durable ABS plastic housing  
T71XW features an NEMA 4X/IP66 water resistant stainless steel housing
- ✓ Large backlit LCD and checkweighing LEDs (green, yellow, red)
- ✓ kg, g, lb, oz, lb:oz (decimal), metric tonnes and user-definable custom unit
- ✓ Software for Counting, Percent Weighing, Dynamic/Animal Weighing, Checkweighing, Totalization, Display Hold and 255-item library for storing application data
- ✓ Includes RS232 interface with GMP/GLP data output including date and time
- ✓ Includes analog scale base input for two scale counting and weighing
- ✓ Optional interfaces include DC relay control kit, AC relay control kit, 2<sup>nd</sup> RS232 and RS422/485.

|                       |                                  |                                |                        |                                |                        |                               |  |
|-----------------------|----------------------------------|--------------------------------|------------------------|--------------------------------|------------------------|-------------------------------|--|
|                       |                                  |                                |                        |                                |                        |                               |  |
| NTEP<br>10,000d       | Measurement<br>Canada<br>10,000d | Parts<br>Counting              | Percent<br>Weighing    | Dynamic/<br>Animal<br>Weighing | Check-<br>weighing     | Display<br>Hold               | Totalization                                     |
|                       |                                  |                                |                        |                                |                        |                               |  |
| Battery<br>Power T71P | GMP/GLP                          | NEMA 4X IP66<br>(T71XW models) | AC Relay<br>(Optional) | DC Relay<br>(Optional)         | RS232 x2<br>(Optional) | RS422/<br>RS485<br>(Optional) | Rechargeable<br>Battery (optional)<br>T71P/T71XW |

| T71 Indicator Options |                           |
|-----------------------|---------------------------|
| 80500720              | AC Relay Kit              |
| 80500727              | DC Relay Kit              |
| 80500729              | Rechargeable Battery      |
| 80500731              | RS422/485 Kit             |
| 80500733              | 2 <sup>nd</sup> RS232 Kit |

















| Item #                           | T71P  | T71XW   |
|----------------------------------|---|---|
| Capacity Range                   | 1 to 999,950 kg/lb  |   |
| Certified / Approved Resolution  | 1:10,000  |   |
| Maximum Displayed Resolution     | 1:50,000  |   |
| Maximum Counting Resolution      | 1:500,000   |   |
| Minimum Average Piece Weight     | 0.1d  |   |
| Operating Temperature Range      | 14°F to 104°F / -10°C to 40°C   |   |
| Stabilization Time               | Within 2 seconds  |   |
| Auto-Zero Tracking Capture Range | Off, 0.5, 1 or 3 divisions  |   |
| Zeroing Range                    | 2% or 100% of capacity  |   |
| Span Calibration                 | 1 kg or 1 lb to 100% of capacity  |   |
| Load Cell Sensitivity            | Up to 3 mV/V  |   |
| Load Cell Drive                  | Up to eight × 350 Ohm load cells  |   |
| Display                          | Dual line 1 in / 2.5 cm digit height, 6-digit, 7-segment<br>1.5 in / 3.8 cm high x 4.9 in / 12.5 cm wide backlit LCD                    |   |
| Power                            | 9 VDC, 0.5A, AC adapter (included) or 6 "C" cell batteries (not included) optional internal rechargeable, NiMH battery                  | 100-240 VAC/50-60 Hz, internal power supply or optional internal rechargeable, NiMH battery |
| Environmental Protection         | Dry use   | NEMA 4X / IP66  |
| Housing                          | ABS Plastic   | Stainless Steel   |
| Interface                        | Built-in RS232, external tare input and analog scale base input included, Optional 2nd RS232, RS244/485, AC Relay or DC Relay available |   |
| Keypad                           | 4 function membrane switches, raised tactile keys with alphanumeric keypad  |   |
| Enclosure Dimensions (W × D × H) | 10.2 × 2.7 × 6.6 in / 260 × 71 × 168 mm   | 10.3 × 3 × 5.8 in / 262 × 76 × 149 mm   |

NTEP Certificate of Conformance No. 09-102, Measurement Canada Notice of Approval AM-5762



## 5000 SERIES INDICATORS

- ✓ 1:30,000 maximum displayed weighing resolution, maximum counting resolution to 1:300,000
- ✓ T51P features a high-impact, durable ABS plastic housing  
T51XW features an NEMA 4X/IP66 water resistant stainless steel housing
- ✓ Large backlit LCD and checkweighing LEDs (green, yellow, red)
- ✓ kg, g, lb, oz, lb:oz (decimal), metric tonnes and user-definable custom unit
- ✓ Software for Counting, Percent Weighing, Dynamic/Animal Weighing, Checkweighing, and Display Hold
- ✓ Includes RS232 interface with GMP/GLP data output including date and time
- ✓ Optional interfaces include DC relay control kit, AC relay control kit, 2<sup>nd</sup> RS232 and RS422/485.

|   |   |   |  |   |   |   |   |
|---|---|---|--|---|---|---|---|
|  |  |  |  |  |  |  |  |
| NTEP<br>10,000d   | Measurement<br>Canada<br>10,000d  | Parts<br>Counting   | Percent<br>Weighing  | Dynamic/<br>Animal<br>Weighing  | Check-<br>weighing  | Display<br>Hold   | RS232   |
|  |  |  |  |  |  |  |  |
| Battery<br>Power<br>T51P  | GMP/GLP   | NEMA 4X<br>IP66<br>(T51XW<br>models)  | AC Relay<br>(Optional)   | DC Relay<br>(Optional)  | RS232 x2<br>(Optional)  | RS422/<br>RS485<br>(Optional)   | Rechargeable<br>Battery<br>(optional)<br>T51P/T51XW                                 |

| T51 Indicator Options |                           |
|-----------------------|---------------------------|
| 80500720              | AC Relay Kit              |
| 80500727              | DC Relay Kit              |
| 80500729              | Rechargeable Battery      |
| 80500731              | RS422/485 Kit             |
| 80500733              | 2 <sup>nd</sup> RS232 Kit |

| Item #                           | T51P   | T51XW   |
|----------------------------------|--|---|
| Capacity Range                   | 1 to 999,950 kg/lb   |   |
| Certified / Approved Resolution  | 1:10,000   |   |
| Maximum Displayed Resolution     | 1:30,000   |   |
| Maximum Counting Resolution      | 1:300,000  |   |
| Minimum Average Piece Weight     | 0.1d   |   |
| Operating Temperature Range      | 14°F to 104°F / -10°C to 40°C  |   |
| Stabilization Time               | Within 2 Seconds   |   |
| Auto-Zero Tracking Capture Range | Off, 0.5, 1 or 3 Divisions   |   |
| Zeroing Range                    | 2% or 100% of Capacity   |   |
| Span Calibration                 | 1 kg or 1 lb to 100% Capacity  |   |
| Load Cell Sensitivity            | Up to 3 mV/V   |   |
| Load Cell Drive                  | Up to eight x 350 Ohm Load Cells   |   |
| Display                          | 1 in / 2.5 cm digit height, 6-digit,<br>7-segment 1.5 in / 3.8 cm high x 4.9 in / 12.5 cm wide backlit LCD             |   |
| Power                            | 9 VDC, 0.5A, AC adapter (included) or 6 "C" cell batteries (not included) optional internal rechargeable, NiMH battery | 100-240 VAC/50-60 Hz, internal power supply or optional internal rechargeable, NiMH battery |
| Environmental Protection         | Dry use  | NEMA 4X / IP66  |
| Housing                          | ABS Plastic  | Stainless Steel   |
| Interface                        | Built-in RS232 and External Tare Input included, Optional 2nd RS232, RS244/485, AC Relay or DC Relay available         |   |
| Keypad                           | 4 function membrane switches, raised tactile keys  |   |
| Enclosure Dimensions (W x D x H) | 10.2 x 2.7 x 6.6 in / 260 x 71 x 168 mm  | 10.3 x 3 x 5.8 in / 262 x 76 x 149 mm   |

NTEP Certificate of Conformance No. 08-039, Measurement Canada Notice of Approval AM-5687



## CKW55 INDICATOR

- ✓ 1:20,000 max. displayed resolution
- ✓ lb, kg, g, oz, lb:oz, %
- ✓ GLP/GMP, Time, Date output
- ✓ NEMA 4X/IP66 all-stainless steel construction
- ✓ LED display
- ✓ Fully programmable checkweighing function
- ✓ User programmable library
- ✓ RS232 Interface included



NTEP  
10,000d



Measurement  
Canada 10,000d



NSF  
Listed



USDA  
Accepted



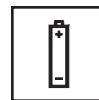
Check-  
weighing



NEMA  
4X/ IP66  
Washdown



RS232



Battery  
(Optional)

| CKW55 Indicator Options |                      |
|-------------------------|----------------------|
| 71167967                | AC Relay Kit         |
| 71173377                | DC Relay Kit         |
| 71167966                | Rechargeable Battery |
| 71167965                | RS422/485 Kit        |

| Item #                           | CKW55   |
|----------------------------------|---|
| Capacity                         | 1 to 100,000 lb, kg, oz or g  |
| Graduation                       | 0.0001 to 5 lb, kg, oz or g   |
| Certified / Approved Resolution  | 1:10,000  |
| Operating Temperature            | -10°C to 40°C / 14° F to 104° F   |
| Stabilization Time               | Within 2 Seconds  |
| Auto-Zero Tracking Capture Range | Off, .5, 1 or 3 Divisions   |
| Zeroing Range                    | 2%, 18%, or 100% of Capacity  |
| Span Calibration                 | 1 kg/lb to 100% of Capacity   |
| Load Cell Performance            | 5V DC Excitation Voltage / 2 or 3mV/V Input Sensitivity   |
| Load Cell Drive                  | Up to 4 x 350 Ohm Load Cells  |
| Weight Display                   | 20 mm / 0.8" High 6-digit, 7-segment LED with Adjustable Brightness Control                               |
| Checkweigh Indication            | 3-color, 34-segment LED Bar Graph with Audible Beeper Alert and LED Weight Display Alert                  |
| Power                            | 100-240 VAC / 50/60Hz Universal Power Supply Hardwire Cord<br>Optional Internal Rechargeable NiMH Battery |
| Interface                        | Built-in RS232 and External Input / Optional RS422/485, Relay Output                                      |
| Keyboard                         | 8 Function Keys, 11 Numeric Keypad, Dedicated Tare and Target Entry Buttons                               |
| Dimensions (W x D x H)           | 9 x 3 x 8.5 in. / 230 x 75 x 217 mm (Includes Bracket)  |

NTEP Certificate of Conformance No. 06-038, Measurement Canada Notice of Approval AM 5339  
NSF Listed/Certified to NSF/ANSI 169-2005 Special Purpose Food Equipment and Devices (formerly NSF C-2); USDA/AMS Accepted to NSF/3-A 14159-1 Hygiene Requirements for the Design of Meat and Poultry Processing Equipment; meets requirements for HACCP conformity.

**NOW NTEP CERTIFIED AND  
MEASUREMENT CANADA APPROVED!**



T31P Indicator  
(with optional bracket\*)



T32XW Indicator  
(bracket included)

## 3000 SERIES INDICATORS

- ✓ 20,000d maximum displayed weighing resolution
- ✓ High-impact ABS housing (Model T31P) or NEMA 4X/IP65 stainless steel ( Model T32XW)
- ✓ lb, oz, combined lb:oz, kg or g
- ✓ Counting software included
- ✓ Backlit LCD display
- ✓ RS232 Interface included



NTEP  
6,000d



Measurement  
Canada  
6,000d



Parts  
Counting



RS232



Rechargeable  
Battery



NEMA 4X IP65  
(T32XW  
models)

| Item #                           | T31P   | T32XW   |
|----------------------------------|--|---|
| Capacity Range                   | 5 to 20,000 lb or kg   |   |
| Maximum Displayed Resolution     | 1:20,000   |   |
| Certified /Approved Resolution   | 1:6,000  |   |
| 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 |   |
| Minimum Average Piece Weight     | 1d   |   |
| Stabilization Time               | Within 2 Seconds   |   |
| Auto-Zero Tracking Capture Range | Off, 0.5, 1 or 3 Divisions   |   |
| Zeroing Range                    | 2% or 100% of Capacity   |   |
| Span Calibration                 | 5 kg or 5 lb to 100% Capacity  |   |
| Load Cell Sensitivity            | Up to 3 mV/V   |   |
| Load Cell Drive                  | Up to four × 350 Ohm Load Cells  |   |
| Display                          | 1 in. / 2.5 cm digit height, 6-digit, 7-segment 1.5 in. / 3.8 cm high x 4.9 in. / 12.5 cm wide backlit LCD   |   |
| 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 battery (58-hour typical operation with full charge) |
| Environmental Protection         | Dry use  | NEMA 4X / IP65  |
| Housing                          | ABS Plastic  | Stainless Steel   |
| Interface                        | Bidirectional RS232C   |   |
| Keypad                           | 4-button mechanical switches, raised tactile keys  | 4-button membrane switch, raised tactile keys   |
| Dimensions (W × D × H)           | 8.2 × 2.8 × 6.5 in / 210 × 71 × 168 mm   | 8.3 × 2.8 × 5.8 in / 212 × 71 × 149 mm  |

\*Optional wall bracket kit for T31P, OHAUS Item # 80251747

NTEP Certificate of Conformance No. 08-066A1, Measurement Canada Notice of Approval AM-5713C Rev. 1



## 3000 SERIES INDICATORS

- ✓ 1:20,000 maximum displayed weighing resolution, maximum counting resolution to 1:20,000
- ✓ High-impact ABS front panel with painted carbon steel rear housing
- ✓ T32MC features 1 in. high backlit LCD display, T32ME features 0.8 in. high LED display
- ✓ Both indicators feature checkweighing LEDs (green, yellow, red)
- ✓ kg, g, lb, oz (decimal) and lb-oz weighing units
- ✓ Basic modes for counting, checkweighing, display hold and totalization
- ✓ Includes RS232 interface



T32ME Indicator  
(LED version)



T32MC Indicator  
(LCD version)



NTEP  
6,000d



Measurement  
Canada 6,000d



Parts  
Counting



Check-  
weighing



Display  
Hold



Totalization



RS232  
Interface

| Item #                           | T32MC  | T32ME  |
|----------------------------------|--|--|
| Capacity Range                   | 5 to 20,000 lb or kg   |  |
| Maximum Displayed Resolution     | 1:20,000   |  |
| Certified / Approved Resolution  | 1:6,000  |  |
| Maximum Counting Resolution      | 1:20,000   |  |
| Minimum Average Piece Weight     | 1d   |  |
| Operating Temperature Range      | 14°F to 104°F / -10°C to 40°C  |  |
| Stabilization Time               | Within 2 Seconds   |  |
| Auto-Zero Tracking Capture Range | Off, 0.5, 1 or 3 Divisions   |  |
| Zeroing Range                    | 2% or 100% of Capacity   |  |
| Span Calibration                 | 5 kg or 5 lb to 100% Capacity  |  |
| Load Cell Sensitivity            | 5V DC / up to 3 mV/V (min 1 µV/d)  |  |
| Load Cell Drive                  | Up to four 350Ω load cells   |  |
| Display                          | 6-digit, 7-segment LCD 1 in / 25 mm digit height, with high-contrast white LED backlight   | 6-digit, 7-segment red LED 0.8 in / 20 mm digit height |
| Power                            | 9-12 VDC, 0.5A, external AC adapter  |  |
| Construction                     | ABS Plastic front panel with painted carbon steel rear housing; includes painted carbon steel table-wall mount bracket with adjustment knobs |  |
| Interface                        | Bidirectional RS232C   |  |
| Keypad                           | 4 function mechanical switches, raised tactile keys  |  |
| Dimensions (W x D x H)           | 7.8 x 1.08 x 5.2 in / 198 x 46 x 132 mm  |  |

NTEP Certificate of Conformance No. 09-090, Measurement Canada Notice of Approval AM-5747C

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