



5000 Series

Standard Indicators



T51XW Indicator



T51P Indicator

Multifunctional Indicators for Demanding Industrial Applications

The OHAUS 5000 series of multifunctional indicators is ideal for a range of applications in production, packaging, warehouse, inventory, shipping and receiving areas. Ideal for bench and floor scale use, the 5000 series is available in both a dry-use, ABS plastic housing as well as a NEMA4X/IP66 water resistant stainless steel housing. Both housings feature large, bright backlit displays, raised tactile keys, battery-powered use (optional on T51XW), and are easy set-up and use. The 5000 series is the solution to your weighing indicator applications that require multiple functions, rugged construction, comprehensive yet intuitive software and multiple connectivity options.

Standard Features Include:

- T51P features a high-impact, durable ABS plastic housing with reversible rear cover for either wall, column, scale front, or table-top mounting
- T51XW features an NEMA 4X/IP66 water resistant stainless steel housing with integral faceplate supports for easy servicing.
- 30,000d maximum displayed weighing resolution with temporary display of 10x readability in weighing mode using quick key press
- 1:10,000 NTEP certified resolution
- Quick display of results using large LCD with high-contrast white backlight
- Easy to operate with 4-key membrane keypad with raised tactile keys
- Weighs in one or more units: kg, g, lb, oz, lb:oz (decimal), metric tonnes and user-definable custom unit
- Multiple weighing modes including Counting, Percent Weighing, Dynamic/Animal Weighing, Checkweighing, and Display Hold
- T51XW includes an internal universal switching power supply with hardwired line cord, T51P has the same internal power supply with universal line cord or can be powered using 6 "C" batteries (80 hour battery life) – Optional NiMH internal rechargeable power pack available for both indicators
- Includes RS232 interface with GMP/GLP data output including date and time
- Optional interfaces include DC relay control kit, AC relay control kit, 2nd RS232 and RS485/422

5000 Series Standard Indicators

Specifications

Indicator Models	T51P	T51XW
Capacity Range	1 to 999,950 kg/lb	
Maximum Displayed Weighing Resolution	1:30,000d	
Maximum Displayed Counting Resolution	1:300,000d	
NTEP Certified Resolution	1:10,000	
Minimum Average Piece Weight (APW)	0.1d	
Weighing Units	kg, lb, g, oz, lb:oz, metric tonnes, custom unit	
Modes	Static Weighing, Dynamic Weighing, Counting, Checkweighing, Percent Weighing, Display Hold	
Housing	ABS plastic with internal reinforcing ribs	304 stainless steel enclosure
Display	6-digit, 7-segment LCD, 25mm/1 inch high digits, with high-contrast white LED backlight	
Checkweigh Indication	3-color checkweigh LED with configurable beeper signal	
Keypad	4 function membrane switches, raised tactile keys	
Ingress Protection	—	NEMA 4X / IP66
Load Cell Excitation Voltage	5V DC	
Load Cell Drive	Up to 8 x 350 ohm Load Cells	
Load Cell Input Sensitivity	Up to 3 mV/V	
Stabilization Time	Within 2 seconds	
Auto-Zero Tracking	Off, 0.5, 1 or 3d	
Zeroing Range	2% or 100% of capacity	
Span Calibration	1 kg/lb to 100% of capacity	
Interface	Built-in RS232 and External Tare Input included Optional 2nd RS232, RS422/485, AC Relay or DC Relay available	
Overall Dimensions (inc. bracket) (W x D x H)	10.2 x 2.7 x 8.8 in / 260 x 71 x 224 mm	10.3 x 3 x 8.7 in / 262 x 76 x 212 mm
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
Net Weight	3.3 lb / 1.5 kg	7.7 lb / 3.5 kg
Shipping Weight	5.0 lb / 2.3 kg	9.5 lb / 4.3 kg
Shipping Dimensions (W x D x H)	13 x 9.5 x 7 in / 330 x 240 x 180 mm	
Operating Temperature Range	14°F to 104°F / -10°C to 40°C	
Relative Humidity Range	Maximum 80% up to 88°F/31°C, decreasing linearly to 50% at 104°F/40°C	
Power	100-240 VAC / 50-60 Hz Internal universal power supply, line cord 6 'C' cell batteries (not supplied) with 80 hour life Opt. Int. rechargeable NiMH battery (30-hr. typical operation)	100-240 VAC / 50-60 Hz Internal universal power supply, hardwire cord Opt. Int. rechargeable NiMH battery (30-hr. typical operation)

Features

T51P: ABS plastic housing with internal rib reinforcements, reversible rear cover, backlit LCD weight display, checkweighing indication (green, yellow, red), membrane keypad with raised tactile keys, built-in bi-directional RS232 with manual/continuous/interval printing, external tare input, hardware configuration lockout switch, internal switching power supply with line cord and battery power using 6 "C" cell batteries.

T51XW: Stainless steel water resistant NEMA 4X / IP66 housing, integral faceplate supports for easy servicing, backlit LCD weight display, checkweighing indication (green, yellow, red), membrane keypad with raised tactile keys, built-in bi-directional RS232 with manual/continuous/interval printing, external tare input, hardware configuration lockout switch, internal switching power supply with hardwired cord.

Options and Accessories

Internal rechargeable NiMH battery pack, 2nd RS232 interface, RS485/422 interface, AC Relay or DC Relay, column mount kits, scale front mount bracket, interface cables, printer.

Other Features

Zero point calibration, calibration test, span or linear calibration, selectable auto-zero tracking range, selectable stability range, selectable averaging level, selectable LCD backlight, selectable auto shutoff, retain zero weight data after power-off, Geo gravity adjustment, selectable key beep, key function lock, menu lock, selectable power-on and calibration unit, battery status display, display of gross/net weight, indication of stability, center of zero, over- and underweight, overload and underload conditions. Configuration menus for PRINT1, PRINT2, COM1, COM2, and I/O.

Compliance

- **Legal-for-Trade:** NTEP certified (Certificate of Conformance No. 08-039)
- **Safety and EMC:** UL_{US} 2005/95/EC low voltage directive: EN60950-1:2001, FCC Part 15 Class A 2004/108/EC EMC directive: EN61326-1:1997; +A1:1998; +A2:2001; + A3>2003
- **Other:** Compliant to Directive 2002/96/EC on waste electrical and electronic equipment (WEEE)
- **Quality:** Ohaus quality management system registered to ISO 9001:2000

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With offices throughout Europe,
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* **ISO 9001**
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