



# RANGER® COUNT 4000

Counting Scales



## *Top-of-the-Line Counting Scales for Even the Toughest Industrial Weighing Conditions.*

Ranger Count 4000 is the ideal tool for tough industrial counting jobs that require durability and accuracy at a great value. Portable with die-cast metal housing and a rechargeable battery, this scale is equipped with weighing, parts counting, check counting, and accumulation functions, and can produce results for a variety of industrial weighing, counting, and measurement needs.

### *Standard Features Include:*

- **Full Metal Housing Offers Strength and Protection and Maximizes Product Life**—Sturdy metal housing and slip-resistant rubber feet provide the protection, stability and long product life needed for tough industrial weighing.
- **Precise Counting and Weighing Performance Produce Undoubtedly Accurate Results**—Accurate weighing and counting performance is assured with 1:1,500,000 internal counting resolution and auto-optimization software that reduces errors.
- **User-Friendly Software Makes Ranger 4000 Very Easy to Operate**—Easy-to-operate with SmarText™ software, a centrally located count display and dedicated Sample and Tare key.
- **Several Connectivity Options Provide Connection to Multiple Peripheral Devices**—Ranger Count 4000 offers the highest level of connectivity in its class through its Standard RS232 with optional Ethernet, second RS232, or USB interface.

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## Metal Housing Ensures Protection

With die-cast sealed metal housing and slip-resistant rubber feet, Ranger Count 4000 was built to maximize product life and withstand heavy duty use and ensure accurate operation in industrial environments.

## Precise Counting and Weighing Performance

The high resolution Ranger Count 4000 has a 1:30,000 display resolution and 1:1,500,000 internal counting resolution. It also features advanced auto-optimization software which recalculates the average piece weight as the overall weight increases, ensuring accuracy and minimizing counting errors.

Ranger Count 4000 also offers a 30 item library data storage function that can store 12-digit part numbers, average piece weights, checkcounting or checkweighing parameters, tare weights and accumulated counts or weights for quick and simple retrieval of frequently used data.

## Intuitive Software Supports Simple Navigation

The inviting display and navigation make Ranger Count 4000 extremely simple to use. The three-window backlit LCD display includes a centrally-located count display as well as weight and piece weight displays. Eight function keys, including dedicated Sample and Tare keys, and full numeric keypad make setup and input operations simple and straightforward.

## More Connectivity Options

Ranger Count 4000 can be integrated into systems and connected to multiple peripheral devices through its standard RS232 with optional Ethernet, second RS232, or USB. Ranger Count 4000 can also support two-scale counting through the optional 2<sup>nd</sup> platform to support weighing jobs that require a higher capacity platform or additional platform space. Whether your data transfer requirements are simple or complex, Ranger Count 4000 offers the necessary functionality to meet your needs.

## Application Modes

- **Weighing**—Determine the weight of items in the selected unit of measure.
- **Parts Counting**—Count samples of uniform weight.
- **Check Weighing/Counting**—Compare the weight/count of a sample against target limits.
- **Accumulation**—Totalization of weight and count. Calculates total accumulated weight and count of separate items



## Rapid Stabilization

Ranger Count 4000 produces accurate results within one second. The rapid stabilization virtually eliminates your wait time and allows you to move at a pace determined by you and not your weighing equipment. Work efficiently and with confidence to ensure accurate results. Maximize your throughput without sacrificing accuracy with the Ranger Count 4000.

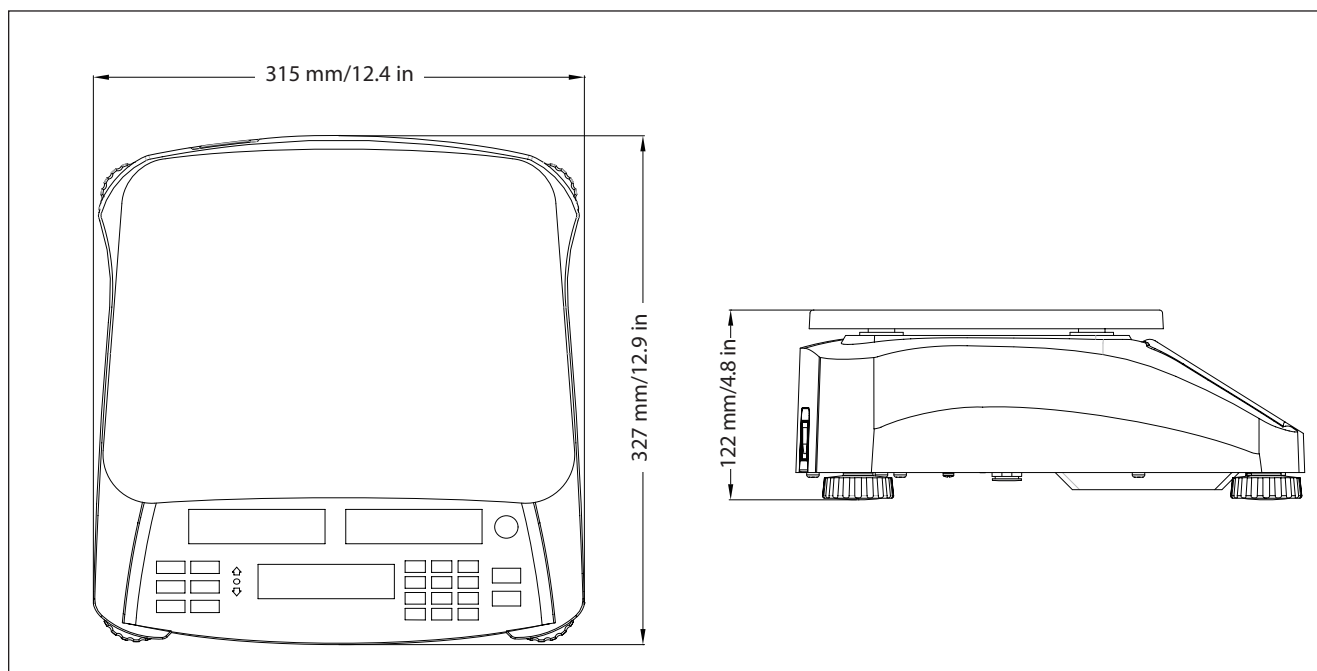
## Internal Power Supply and Rechargeable Battery

Say goodbye to being restricted to working only near power outlets! Ranger Count 4000 is equipped with a rechargeable lead acid battery that can provide power for more than 210 hours! It can also be powered through the easy connect power cord that takes up minimal space and automatically adapts to different power line voltages and frequencies, eliminating disruptions in workflow due to power outages and shortages.

## Metrology

The Ranger Count 4000 meets the Class III requirements of OIML R76, NIST Handbook 44 and Canada Weights and Measures Regulations.

## Outline Dimensions



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| Models:                           | RC41M3                                                                                          | RC41M6                                                            | RC41M15                                                            | RC41M30                                                         |
|-----------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| Capacity × Readability            | 3 × 0.0001 kg<br>3,000 × 0.1 g<br>6 × 0.0002 lb<br>96 × 0.005 oz                                | 6 × 0.0002 kg<br>6,000 × 0.2 g<br>15 × 0.0005 lb<br>240 × 0.01 oz | 15 × 0.0005 kg<br>15,000 × 0.5 g<br>30 × 0.001 lb<br>480 × 0.02 oz | 30 × 0.001 kg<br>30,000 × 1 g<br>60 × 0.002 lb<br>960 × 0.05 oz |
| Certified Capacity × Readability  | 3 × 0.001 kg<br>3,000 × 1 g<br>6 × 0.002 lb<br>96 × 0.05 oz                                     | 6 × 0.002 kg<br>6,000 × 2 g<br>15 × 0.005 lb<br>240 × 0.1 oz      | 15 × 0.005 kg<br>15,000 × 5g<br>30 × 0.01 lb<br>480 × 0.2 oz       | 30 × 0.01 kg<br>30,000 × 10 g<br>60 × 0.02 lb<br>960 × 0.5 oz   |
| Min. Recommended Sample Weight    | 2 g / 0.004 lb                                                                                  | 4 g / 0.01 lb                                                     | 10 g / 0.02 lb                                                     | 20 g / 0.04 lb                                                  |
| Min. Recommended APW              | 0.01 g / 0.00002 lb                                                                             | 0.02 g / 0.00005 lb                                               | 0.05 g / 0.0001 lb                                                 | 0.1 g / 0.0002 lb                                               |
| Max. Internal Counting Resolution | 1:1,500,000                                                                                     |                                                                   |                                                                    |                                                                 |
| Maximum Displayed Resolution      | 1:30,000                                                                                        |                                                                   |                                                                    |                                                                 |
| Certified/Approval Resolution     | 1:3,000                                                                                         |                                                                   |                                                                    |                                                                 |
| Construction                      | Stainless steel platform, Die cast aluminum housing                                             |                                                                   |                                                                    |                                                                 |
| Weighing Units                    | kg, g, lb, oz, lb:oz                                                                            |                                                                   |                                                                    |                                                                 |
| Application Modes                 | Weighing, Parts Counting, Checkweighing, Checkcounting, Accumulation                            |                                                                   |                                                                    |                                                                 |
| Display                           | 3-Window LCD display with white backlight, 0.8 in/20.5mm high digits                            |                                                                   |                                                                    |                                                                 |
| Checkweighing Indicators          | 3 LED (yellow, green, red) with configurable operation and alert beeper                         |                                                                   |                                                                    |                                                                 |
| Memory                            | 30 item library                                                                                 |                                                                   |                                                                    |                                                                 |
| Keyboard                          | 8 function, 12 numeric mechanical keys                                                          |                                                                   |                                                                    |                                                                 |
| Zero Range                        | 4% or 20% of full scale capacity                                                                |                                                                   |                                                                    |                                                                 |
| Tare Range                        | Full capacity by subtraction                                                                    |                                                                   |                                                                    |                                                                 |
| Stabilization Time                | 1 second                                                                                        |                                                                   |                                                                    |                                                                 |
| Auto-Zero Tracking                | Off, 0.5, 1 or 3 divisions                                                                      |                                                                   |                                                                    |                                                                 |
| Safe Overload Capacity            | 150% of capacity                                                                                |                                                                   |                                                                    |                                                                 |
| Power                             | 100-240 VAC / 50-60 Hz internal universal power supply, internal rechargeable lead acid battery |                                                                   |                                                                    |                                                                 |
| Battery Life                      | 210 hours continuous use with 12 hour recharge time                                             |                                                                   |                                                                    |                                                                 |
| Calibration                       | External, with user-selectable calibration weight                                               |                                                                   |                                                                    |                                                                 |
| Interface                         | Built-in RS232, optional 2 <sup>nd</sup> platform, 2 <sup>nd</sup> RS232, USB, Ethernet         |                                                                   |                                                                    |                                                                 |
| Operating Temperature Range       | 14° F to 104° F / -10° C to 40° C                                                               |                                                                   |                                                                    |                                                                 |
| Platform Size (W × L)             | 11.8 × 8.9 in / 300 mm × 225 mm                                                                 |                                                                   |                                                                    |                                                                 |
| Scale Dimensions (W × L × H)      | 12.4 × 12.9 × 4.8 in / 315 × 327 × 122 mm                                                       |                                                                   |                                                                    |                                                                 |
| Shipping Dimensions (W × L × H)   | 15.6 × 17.6 × 7.7 in / 397 × 447 × 195 mm                                                       |                                                                   |                                                                    |                                                                 |
| Net Weight                        | 13 lb / 5.9 kg                                                                                  |                                                                   |                                                                    |                                                                 |
| Shipping Weight                   | 15.9 lb / 7.2 kg                                                                                |                                                                   |                                                                    |                                                                 |

## Other Standard Features and Equipment

Stainless steel platform, sealed front panel, menu lockswitch, up front level indicator, adjustable leveling feet, selectable environmental and auto-print settings, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, auto tare

## Compliance

- **Metrology:** OIML R76 (R76/2006-NL1-15.21); NTEP (CC 13-022); Measurement Canada (AM-5907C)
- **Product Safety:** IEC/EN 60950-1; CAN/CSA C22.2 60950-1; UL 60950-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B, Basic environments; FCC Part 15 Class B; Industry Canada ICES-003 Class B
- **Other:** WEEE/ROHS

## Accessories

|                                       |          |
|---------------------------------------|----------|
| 2 <sup>nd</sup> Platform, Kit .....   | 30037446 |
| Ethernet, Kit .....                   | 30037447 |
| Second RS232 Kit. ....                | 30037448 |
| USB Kit .....                         | 30037449 |
| In Use Cover. ....                    | 30240697 |
| SF40A Impact Printer with Cable ..... | 30064203 |

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**\*ISO 9001:2008**  
Registered Quality  
Management System

