



# Ranger™ Series

Compact Industrial Bench & Counting Scales



## ***High Precision, Easy to Use, Rugged***

The upgraded and expanded OHAUS Ranger™ series expands the popular and rugged family of high precision bench scales by adding more features, more models, and more value – making the Ranger the most precise, easy-to-use and rugged line of compact bench scales available.

Featuring multiple platform sizes, vast capacity and readability choices and housed in a painted cast aluminum housing, Ranger is designed to perform in virtually any industrial environment. Ranger's enhanced microprocessor, and updated digital filtering software combine to give you the most accurate and rapid reading possible.

And of course, every Ranger is designed with OHAUS' easy to use software interface, so operation is intuitive, with a consistent feel across all three Ranger lines: Standard Ranger for basic weighing, Ranger Count for simple counting applications, and Ranger Count Plus for more advanced counting applications.

### ***Standard Features Include:***

- High-performance Strain Gauge and Single Block MFR technology
- Rugged cast aluminum housing and stainless steel pans
- Compact design, with bright backlit display, adjustable feet and level bubble
- Wide range of platforms and capacities from 3kg to 35kg
- Multiple weighing units (g, kg, lb, oz, t) with Gross, Net, Tare function
- Built-in Supervisor Control software
- RS232 port standard
- Built-in AC power supply and factory-installed battery option
- OHAUS Collect Software Wedge available
- EC type approved models available

# Ranger Compact Industrial Bench Scales

## Ranger Basic Weigh Models

Ranger Basic Weigh models are the perfect choice for general weighing applications, where ruggedness and high precision are important. All Ranger Basic Weigh scales benefit from enhanced electronics and software, and all models come standard with Dynamic Weighing, multiple units of measure, standard RS232 connectivity, large backlit LCD, and easy-to-use text driven software. The Ranger Basic Weigh is available in a variety of housing sizes and resolution choices, including IP65 wash-down versions and high resolution MFR models (up to 120,000d). See the specification table for the complete selection of sizes and options.

## Ranger High Resolution Models

Ranger High Resolution MFR load cells are available in Basic Weigh and in Count Plus configurations. The MFR load cell enables external resolutions up to 1:120,000 and 0.01g readability. Approved MFR models also come standard with InCal™ internal calibration, to ensure weighing accuracy by allowing you to calibrate your scale prior to use without the need for external weights, allowing readability that is ideal for near-analytical industrial weighing applications. High Resolution Rangers share the same aluminum housing, advanced software and features found in Basic Weigh and Count Plus models.

## Ranger IP65 Models

For more even more flexibility in harsh and wet environments, waterproof IP65 models are available in the Ranger Basic Weigh line. Ranger IP65 models share the same rugged aluminum housing and software features from the Basic Weigh line, and are encased in aluminum waterproof housing with stainless steel pan.



## Ranger Count and Count Plus Models

The OHAUS Ranger Count and Count Plus series of scales are the high performance solution to inventory and counting needs for industrial and commercial applications. These Rangers have dedicated counting functions ranging from a simple one key count operation, to a more advanced numeric keypad for inputting average piece weight (APW) and other counting data (Count Plus). The counting Rangers also have advanced average piece weight and sample accuracy optimizing software to ensure a fast and accurate count every time. Ranger's cast aluminum construction, combined with an easy-to-use interface, make the Ranger Count and Count Plus the perfect blend of power and precision.

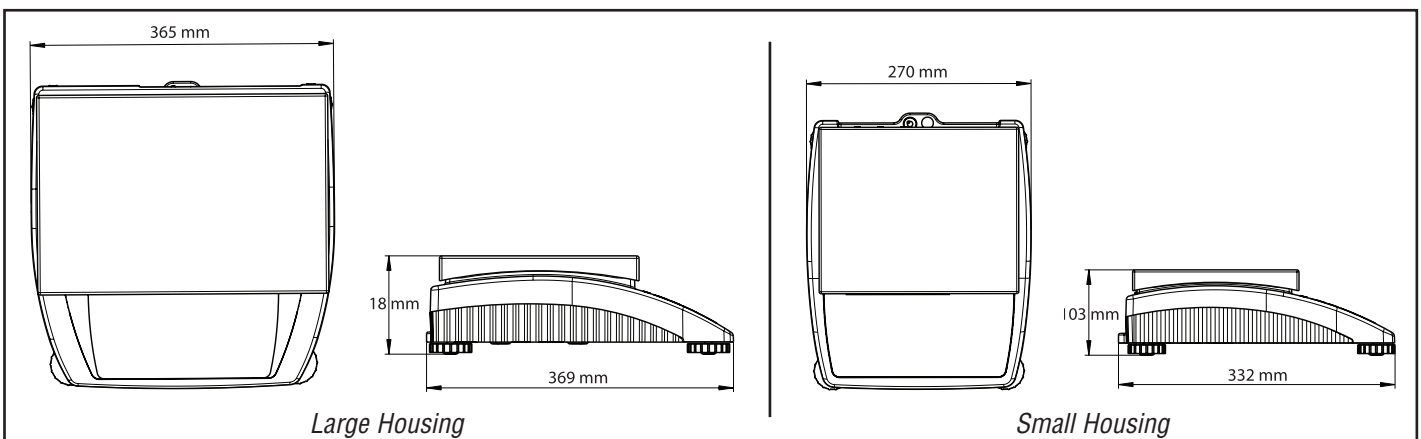
### Ranger Count Features *(in addition to Basic Weigh features)*

- 4 Standard operating keys and 6 Count Specific keys
- Positive and negative counting – Count into or out of a container keeping track of how many parts are on the scale or have been removed
- Info Key – Allows user to call up specific piece weight information, and toggles resolution
- Scale Select – Used with optional Analog input option to select which scale or platform output to be displayed
- G/N/T Key – Displays Gross, Net and Tare values
- Count / Weight Key – Allows user to quickly switch between counting and basic weigh mode
- Sample 10 Key – Immediately takes reference weight on pan and divides by 10 to calculate average piece weight
- Sample Size Key – Manually select from 5 pre-determined sample sizes
- Average Piece Weight Optimization – Automatically recalculates average piece weight increasing accuracy
- Low APW alert – Alerted when average piece weight is too low to ensure maximum accuracy

### Ranger Count Plus Features *(in addition to Basic Weigh and Count features)*

- Numeric 10 digit keyboard for immediate entry of APW value, Tare Values, and Memory storage
- Flexible Taring – Preset tare weights can be entered via keyboard
- 100 Memory locations reserved for storing Tare values, APW values, check weigh values and target weights
- Separate clear and memory keys for easier input and recall of data
- Target setting – Scale allows setting of target count or weight values
- Totalizing Function – Sums series of weighings in mass or count measurement
- Check Weigh – Input over, under and nominal values for sample verification
- ID Weighing – Up to 2 identities can be assigned per weighing sample (for example a weighing will show Customer ID and part number ID)

### Outline Dimensions



# Ranger Compact Industrial Bench Scales

## Specifications

Ranger Basic Weigh	RD3RD	–	RD6RD	RD15RD	RD15LD	RD35LD
Ranger Count	RC3RD	–	RC6RD	RC15RD	RC15LD	RC35LD
Ranger Count Plus	RP3RD	–	RP6RD	RP15RD	RP15LD	RP35LD
Capacity (kg)	3	–	6	15	15	35
Non Approved Readability	0.1g	–	0.2g	0.5g	0.5g	1g
Approved Capacity	1.5/3kg	–	3/6kg	6/15kg	6/15kg	15/35kg
Approved Readability	0.5/1g	–	1/2g	2/5g	2/5g	5/10g
Ranger Basic Weigh High Res	RD3SM	RD6SM	RD6RM	–	RD15LM	RD35LM
Ranger Count Plus High Res	RP3SM	RP6SM	RP6RM	–	RP15LM	RP35LM
Capacity	600/3.1kg	1.2/6.1kg	1.2/6.1kg	–	3.5/15.1kg	7/35.1kg
Non Approved Readability	0.01/0.1g	0.01/0.1g	0.1/1g	–	0.1/1g	0.1/1g
Approved Capacity	–	–	–	–	3.5/15.1kg	7/35.1kg
Approved Readability	–	–	–	–	2/5g	5/10g

Operating Temperature	10 - 40° C	
Linearity	± 1 division	
Calibration	External span	External span, internal on High Resolution approved models
Pan Size (mm)	165 x 165	200 x 240 240 x 350
Platform Material	Stainless steel	
Applications	Basic Weigh, Dynamic Weigh (RD models) Basic Weigh, Dynamic Weigh, Parts counting, Parts counting with second scale (RC models) Basic Weigh, Dynamic Weigh, Parts counting, Parts counting with second scale, checkweigh, totalization, target weigh (RP models)	
Interface	6 button operation (RD models) 10 button operation (RC models) 25 button operation, includes full numeric keypad (RP models)	
Weighing Units	kg, g, lb, oz, t	
Display	Backlit 7 segment LCD, 20mm height (RD models) Backlit LCD with capacity guide, 35 mm height (RC and RP models)	
Stabilization Time	~1 sec	
Power	Country Specific : 240V, 50Hz, 70mA / 230V,50Hz,70mA 120V,60Hz,90mA / 100V, 50/60Hz, 90mA	
Optional Battery	Nickel-Metal Hydride	
GMP compliant	Yes	
Construction	Painted cast aluminum housing	
Interface	Built-in RS232	
Ingress Protection	IP43 Standard, optional IP65 available for non High Resolution models (RD models) IP43 (RC and RP models)	

## Factory Options

Model Suffix	Option	Models Available
AP	EC Type approved	RD, RC, RP
BA	Internal Rechargeable Battery	RD, RC, RP
AN	Analog input	RC, RP
AB	Analog input, Internal Rechargeable Battery	RC, RP
APBA	EC Type Approved, Internal Rechargeable Battery	RD, RC, RP
APAN	EC Type approved, Analog	RC, RP
APAB	EC Type approved, Internal Rechargeable Battery, Analog	RC, RP
IP	IP65	RD
APIP	EC Type Approval, IP65	RD
APIPBA	EC Type Approval, IP65, Internal Rechargeable Battery	RD

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