OHAUS Counting Scales

MODEL	Ranger®Count 3000					Ranger® Count 4000			
	RC31P1502	RC31P3	RC31P6	RC31P15	RC31P30	RC41M3	RC41M6	RC41M15	RC41M30
Default Capacity × Readability	1.5 kg × 0.00005 kg 1500 g × 0.05 g	3 kg × 0.0001 kg 3000 g × 0.1 g	6 kg × 0.0002 kg 6000 g × 0.2 g	15 kg × 0.0005 kg 15000 g × 0.5 g	30 kg × 0.001 kg 30000 g × 1 g	3 × 0.0001 kg 3000 × 0.1 g	6 × 0.0002 kg 6000 × 0.2 g	15 × 0.0005 kg 15000 × 0.5 g	30 × 0.001 kg 30000 × 1 g
Certified Capacity × Readability	1.5 kg × 0.0005 kg 1500 g × 0.5 g	3 kg × 0.001 kg 3000 g × 1 g	6 kg × 0.002 kg 6000 g × 2 g	15 kg × 0.005 kg 15000 g × 5 g	30 kg × 0.01 kg 30000 g × 10 g	3 × 0.001 kg 3000 × 1 g	6 × 0.002 kg 6000 × 2 g	15 × 0.005 kg 15000 × 5g	30 × 0.01 kg 30000 × 10 g
Min. Recommended Sample Weight	1 g	2 g	4 g	10 g	20 g	2 g	4 g	10 g	20 g
Min. Recommended APW	0.005 g	0.01 g	0.02 g	0.05 g	0.1 g	0.01 g	0.02 g	0.05 g	0.1 g
Max. Internal Counting Resolution	1:1,500,000								
Max. Displayed Resolution	1:30000								
Construction	ABS housing, stainless steel platform					Stainless Steel pan, Die cast aluminum housing			
Weighing Units	kg, g, lb, oz, lb:oz								
Application Modes	Weighing, Parts Counting, Checkweighing, Checkcounting, Accumulation								
Checkweighing Indicators	3 LED (yellow, green, red) with configurable operation and alert beeper								
Memory	30 item library								
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 2nd platform, 2nd RS232, USB, Ethernet								
Pan Size (W × L)	300 × 225 mm								

MODEL	Ranger® 7000								
	R71MD3	R71MD6	R71MD15	R71MD35	R71MD60	R71MHD3	R71MHD6	R71MHD15	R71MHD35
Default Capacity × Readability	3 kg × 0.00005 kg 3,000 g × 0.05 g	6 kg × 0.0001 kg 6,000 g × 0.1 g	15 kg × 0.0002 kg 15,000g × 0.2 g	35 kg × 0.0005 kg 35,000 g × 0.5 g	60 kg × 0.001 kg 60,000 g × 1 g	3 kg × 0.00001 kg 3,000 g × 0.01 g	6 kg × 0.00002 kg 6,000 g × 0.02 g	15 kg × 0.0001 kg 15,000 g × 0.1 g	35 kg × 0.0001 kg 35,000 g × 0.1 g
Certified Capacity × Readability	3 kg × 0.0005 kg 3,000 g × 0.5 g	6 kg × 0.001 kg 6,000 g × 1 g	15 kg × 0.002 kg 15,000g × 2 g	35 kg × 0.005 kg 35,000 g × 5 g	60 kg × 0.01 kg 60,000 g × 10 g	3 kg × 0.0001 kg 3,000 g × 0.1 g	6 kg × 0.0002 kg 6,000 g × 0.2 g	15 kg × 0.001 kg 15,000 g × 1 g	35 kg × 0.001 kg 35,000 g × 1 g
Max. Displayed Resolution	1:60,000	1:75,000		1:70,000	1:75,000	1:300,000		1:150,000	1:350,000
Certified/Approved Resolution	1:6000	1:7,500	1:7,500	1:7000	1:7,500	1:30,000	1:30,000	1:15,000	1:35,000
Construction	Stainless Steel Platform, Die Cast Housing								
Weighing Units	kg, g								
Application Modes	Weighing, Parts Counting, Percent Weighing, Check Weighing, Dynamic Weighing (Display Hold), Filling, Formulation, Differential Weighing, Density Weighing								
Zero Range	2% or 10% of Capacity								
Stabilization Time	1 second								
Safe Overload Capacity	150% of capacity								
Power	100-240 VAC / 50/60 Hz Universal Power Supply, rechargeable lithium battery (Optional)								
Battery Life	12 hours continuous use					9 hours continuous use			
Calibration	Span or Linear					AutoCal™, Span or Linear			
Interface	Standard RS232, USB Device, USB Host Optional Ethernet, 2nd scale, 2 In/4 Out digital I/O								
Platform dimensions (W × D × H)	280 × 280 × 31 mm		377 × 311 × 48 mm			240 × 240 × 15 mm		377 × 311 × 48 mm	

Ranger 7000

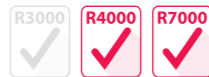## Ingeniously Practical

Ranger® 3000 Count
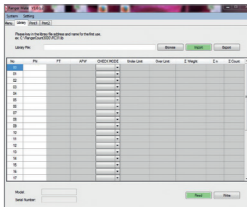## Ranger® 4000 Count

Ranger® 7000

2nd Platform Kit

Sample small items on the counting scale – connect the platform with a capacity of up to 3000 kg to quickly count a large amount of pieces;
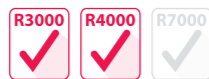
Full Metal Housing

With full metal housing, this counting scale was designed for harsh industrial environments;

Scale Mate Software

Friendly way of sending data, such as tare and APW to and from your computer to the scale;

Three Displays

Having three separate displays showing the weight, APW and counting result makes the work easier and helps avoid mistakes;

Portability

Thanks to the battery operation, the counting could take place anywhere saving time;

Checking Incoming Goods

Ranger 7000 can store the information about the goods weighed most often (APW, tare of the box etc.) Whenever the delivery arrives – the actual amount of goods delivered can be checked quickly and accurately without breaking the seal of the package. Check before you sign!

High Resolution Models With Extremely Fast APW Recalculation

The high resolution models of Ranger 7000 are perfect for sampling fine, small products with a small variation of weight. The fast recalculation of APW ensures the perfect result of counting pieces that are not uniformly identical, such as small plastic elements. It needs to be remembered, however, that APW recalculation will be efficient only if the added weight is within 10% and 100% of the primary load.

DEFINITIONS

→ **INTERNAL COUNTING RESOLUTION:**
The internal resolution of a counting scale is the number of divisions into which it divides the total capacity of the scale.

→ **MINIMAL RECOMMENDED SAMPLE WEIGHT:**
Value of the load below which the weighing results may be subject to an excessive relative error.

→ **APW – AVERAGE PIECE WEIGHT:**
The mean value of a single piece being counted.