



Ranger Series

Compact Industrial Counting Scales



Designed for easy counting, the Ohaus Ranger™ Count has a precision load cell which produces counting results that are fast, stable and precise. Automatic reference optimization assures accurate counting each and every time. Logical menu-based controls and a large backlit LCD display for comfortable operation. Two Rangers can be linked together for fast, accurate dedicated parts counting and inventorying. The Ranger Count can also be connected to many other Ohaus balances and scales, or to scale bases with the optional analog input. The cast aluminum housing is well suited for industrial or production environments. Choose from five capacities in two platform sizes. For efficiency, speed and durability, the choice is Ranger Count.

- 1:300,000 maximum external counting resolution
- Average Piece Weight enhancement software (auto optimization, auto add)
- Minimum Average Piece Weight range 0.01 - 0.2g by model
- Wide range of platforms and capacities from 6 lb to 120 lb
- Heavy duty cast aluminum construction
- Two scale capability; Analog Scale Base input option
- RS232 data interface standard, second RS232 as factory option
- AC power or optional internal rechargeable battery

RangerSeries Counting Scales

Standard Models

Default Capacity x Readability (lb)	6 x 0.0005	12 x 0.001	24 x 0.002	60 x 0.005	120 x 0.01
Default Capacity x Readability (kg)	3 x 0.0002	6 x 0.0005	12 x 0.001	30 x 0.002	60 x 0.005
Default Capacity x Readability (g)	3,000 x 0.2	6,000 x 0.5	12,000 x 1	30,000 x 2	60,000 x 5
Default Capacity x Readability (oz)	60 x 0.005	120 x 0.01	240 x 0.02	600 x 0.05	1,200 x 0.1
NTEP Capacity x Readability (lb)	6 x 0.001	12 x 0.002	24 x 0.005	60 x 0.01	120 x 0.02
NTEP Capacity x Readability (kg)	3 x 0.0005	6 x 0.001	12 x 0.002	30 x 0.005	60 x 0.01
NTEP Capacity x Readability (g)	3,000 x 0.5	6,000 x 1	12,000 x 2	30,000 x 5	60,000 x 10
NTEP Capacity x Readability (oz)	60 x 0.01	120 x 0.02	240 x 0.05	600 x 0.1	1,200 x 0.2
Linearity (g)	+/- 0.2	+/- 0.5	+/- 1.0	+/- 2.0	+/- 5.0
Minimum Average Piece Weight (g)	0.01	0.02	0.05	0.1	0.2
Item Number	RC3RS	RC6RS	RC12LS	RC30LS	RC60LS

Ranger Factory Options - Contact Ohaus Customer Service at 1-800-672-7722 for lead-time and availability.

/1 Battery	To order Ranger with internal rechargeable battery add /1 to the model number.
/2 Second RS232	To order Ranger with second RS232 data interface, add /2 to the model number.
/3 Battery & Second RS232	To order Ranger with both an internal rechargeable battery and second RS232 data interface add /3 to the model number.
/4 Analog input	To order Ranger with analog input, add /4 to the model number.
/5 Battery & analog input	To order Ranger with internal rechargeable battery and analog input, add /5 to model number

General Specifications

Functions	Basic weighing, piece counting, piece counting with second scale or base				
Maximum external counting resolution	1 part in 300,000				
Sample size	5, 10, 15, 20, 25, 30, 50, 100				
Platform size (w x d) (in/cm)	9.5 x 8 / 24 x 20		14 x 9.5 / 35 x 24		
Scale dimensions (w x d x h) (in/cm)	10.5 x 13.2 x 4 / 26.5 x 33.5 x 10		14.2 x 14.6 x 4.5 / 36 x 37 x 11.5		
Shipping dimensions (w x d x h) (in/cm)	16.5 x 19 x 10 / 42 x 48 x 25		20 x 20.5 x 10.5 / 52 x 53 x 27		
Weight (lb/kg)	11.5 / 5 net (14 / 6.5 gross)		21 / 9.5 net (24 / 11 gross)		
Weighing units	g, kg, lb, oz, pieces				
Display	0.63 inch / 16 mm digit height, (Backlit LCD), with analog filling guide				
Power	Internal power supply / 40 hour rechargeable battery powered models available				
Construction	Stainless steel weighing pan / Painted cast-aluminum housing				
Protection	IP43				
Operating temperature	14° F to 104° F / - 10° C to 40° C				
Storage temperature	-4° F to 140° F / - 20° C to 60° C				
Item Number	RC3RS	RC6RS	RC12LS	RC30LS	RC60LS

All Ranger Count models meets the requirements of Approval Agencies: UL, FCC, CSA, CE

NTEP Certificate of Conformance No. 01-051. Measurement Canada Notice of Approval No. AM4534

(Legal For Trade approval for weighing function only)

Standard Features

RS232 bi-directional interface, backlit LCD display, Gross / Tare / Net function, auto-off timer, internal AC power supply, leveling feet, leveling bubble, loop for security device, 10 key membrane keypad, rugged cast aluminum housing, auto zero tracking, retain zero data during power off, user selectable graduation, fill application, user-selectable averaging level sensitivity, primary and secondary display units user selectable, automatic taring, bar graph displaying percentage of total capacity, primary and secondary configurable RS232 port settings with programmable output header, software LFT lockout switch.

Counting Features

1 part in 300,000 maximum external counting resolution; six dedicated counting keys on front panel: select variable sample size, automatically sample size of 10, switch between parts count and total weight, select between scale 1 and scale 2 in two-scale counting, display average piece weight, and clear current counting data; automatic optimization of sample reference weight; add mode to ensure sufficient sample weight to ensure accuracy for parts counting; user-selectable variable sample sizes; two-scale capability via either included RS-232* or analog scale input option.

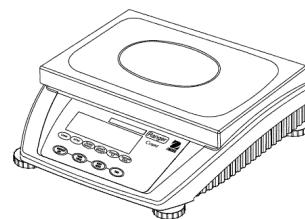
Accessories

In-use cover, carrying case, anti-theft device, auxiliary display.

Factory Installed Options

Internal rechargeable battery, additional bi-directional RS232 data interface, analog input

*Contact Ohaus or your dealer to determine second scale compatibility



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With offices throughout Europe,
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* ISO 9001: 2000

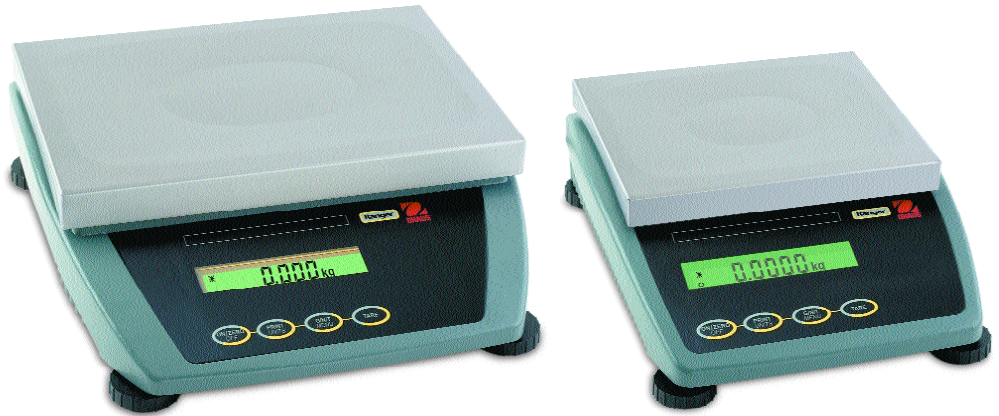
Registered Quality Management System





Ranger Series

Compact Industrial Bench Scales



Ranger's high-precision measurement technology is encased in a durable, cast-aluminum housing for industrial applications. Its high internal resolution and fast microprocessor produce results which are stable and accurate. Available in two platform sizes and a full range of capacities to meet your requirements for any industrial bench weighing application. The Ranger's simple menu operation and large backlit LCD display make Ranger easy-to-use in demanding industrial environments.

- Wide range of platforms and capacities from 6 lb to 120 lb
- Features g, kg, lb and oz units
- RS232 data interface standard, with a second RS232 as factory option
- NTEP 1:6,000 Legal For Trade resolution
- Manufactured under ISO 9001 guidelines

Ranger Series Compact Bench Scales

Standard Models

Default Capacity x Readability (lb)	6 x 0.0005	12 x 0.001	24 x 0.002	60 x 0.005	120 x 0.01
Default Capacity x Readability (kg)	3 x 0.0002	6 x 0.0005	12 x 0.001	30 x 0.002	60 x 0.005
Default Capacity x Readability (g)	3,000 x 0.2	6,000 x 0.5	12,000 x 1	30,000 x 2	60,000 x 5
Default Capacity x Readability (oz)	60 x 0.005	120 x 0.01	240 x 0.02	600 x 0.05	1,200 x 0.1
NTEP Capacity x Readability (lb)	6 x 0.001	12 x 0.002	24 x 0.005	60 x 0.01	120 x 0.02
NTEP Capacity x Readability (kg)	3 x 0.0005	6 x 0.001	12 x 0.002	30 x 0.005	60 x 0.01
NTEP Capacity x Readability (g)	3,000 x 0.5	6,000 x 1	12,000 x 2	30,000 x 5	60,000 x 10
NTEP Capacity x Readability (oz)	60 x 0.01	120 x 0.02	240 x 0.05	600 x 0.1	1,200 x 0.2
Linearity (g)	+/- 0.2	+/- 0.5	+/- 1.0	+/- 2.0	+/- 5.0
Item number:	RD3RS	RD6RS	RD12LS	RD30LS	RD60LS

Ranger Factory Options - Contact Ohaus Customer Service at 1-800-672-7722 for lead-time and availability.

1	Battery	To order Ranger with internal rechargeable battery add /1 to the order number above.
2	Second RS232	To order Ranger with second RS232 data interface, add /2 to the order number above.
3	Battery & Second RS232	To order Ranger with both an internal rechargeable battery and second RS232 data interface add /3 to the order number above.

General Specifications

Platform size (w x d) (in/cm)	9.5 x 8 / 24 x 20		14 x 9.5 / 35 x 24		
Scale dimensions (w x d x h) (in/cm)	10.5 x 132 x 4 / 26.5 x 33.5 x 10		14.2 x 14.6 x 4.5 / 36 x 37 x 11.5		
Shipping dimensions (w x d x h) (in/cm)	16.5 x 19 x 10 / 42 x 48 x 25		20 x 20.5 x 10.5 / 52 x 53 x 27		
Weight (lb/kg)	11.5 / 5 net (14 / 6.5 gross)		21 / 9.5 net (24 / 11 gross)		
Weighing units	g, kg, lb, oz				
Display	0.63 inch / 16 mm digit height, (Backlit LCD)				
Power	Internal power supply/40 hour rechargeable battery powered models available				
Span Calibration	25% - 100% capacity				
Linearity Calibration (3 point calibration)	0 - 50% - 100% capacity				
Auto Zero Tracking	0.5d, 1d, 3d, OFF				
Construction	Stainless steel weighing pan / Painted cast-aluminum housing				
Protection	IP43				
Operating temperature	14° F to 104° F / - 10° C to 40° C				
Storage temperature	-4° F to 140° F / - 20° C to 60° C				
Item Number	RD3RS	RD6RS	RD12LS	RD30LS	RD60LS

All Ranger models meet the requirements of Approval Agencies: UL, FCC, CSA, CE

NTEP Certificate of Conformance No. 01-051. OIML/EC Type Approved. Measurement Canada Notice of Approval No. AMS434

Standard Features

RS232 bi-directional interface, backlit LCD display, Gross / Tare / Net function, auto-off timer, internal AC power supply, leveling feet, leveling bubble, loop for security device, 4-key membrane keypad, rugged cast aluminum housing, auto zero tracking, retain zero data during power off, user selectable gradation, fill application, user selectable averaging and level sensitivity, primary and secondary display units user selectable, automatic taring, configurable primary and secondary RS232 port settings with programmable output header, software LFT lockout switch.

Accessories

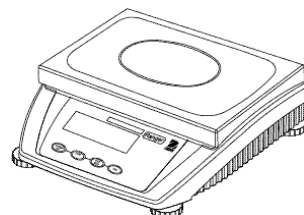
In-use cover, carrying case, anti-theft device, auxiliary display.

Factory Installed Options

Internal rechargeable battery, additional bi-directional RS232 data interface.

Industry Leading Quality and Support

All Ohaus AP balances are manufactured under an ISO 9001:2000 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all Ohaus products for nearly a century.



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With offices throughout Europe,
Asia, and Latin America

* ISO 9001: 2000

Registered Quality Management System



Ranger Series

Compact Industrial High Resolution Bench Scales



Ranger Series Compact Industrial High Resolution Bench Scales



3kg model shown

Extending the Ohaus Ranger™ series of industrial compact bench scales, the Ranger High Resolution models offer MFR (Magnetic Force Restoration) load cell technology in a cast aluminum housing. Using the same fast microprocessor as the Rangers, the MFR load cell ensures an external resolution up to 1:300,000 with readabilities to 0.01 grams. Available in three platform sizes and a full range of capacities, Ranger High Resolution meet the requirements for industrial applications demanding near-analytical precision. The High Resolution Ranger's simple menu operation and large backlit LCD display make it easy-to-use in demanding industrial environments.

- Three platforms and capacities from 3 kg to 35 kg
- Readabilities from 0.01g to 0.1 g
- Features g, kg, lb and oz weighing units
- RS232 data interface standard, with a second RS232 as factory option
- Manufactured under ISO 9001 guidelines

Ranger High Resolution Bench Scales

Standard Models

Default Capacity x Readability (lb)	6 x 0.00002	12 x 0.0002	30 x 0.002	70 x 0.002
Default Capacity x Readability (kg)	3 x 0.00001	6 x 0.0001	15 x 0.0001	35 x 0.0001
Default Capacity x Readability (g)	3,000 x 0.01	6,000 x 0.1	15,000 x 0.1	35,000 x 0.1
Default Capacity x Readability (oz)	60 x 0.0002	120 x 0.0002	300 x 0.002	700 x 0.002
NTEP Capacity x Readability (lb)	6 x 0.0002	12 x 0.0002	30 x 0.002	70 x 0.002
NTEP Capacity x Readability (kg)	3 x 0.0000[1]	6 x 0.000[1]	15 x 0.000[1]	35 x 0.000[1]
NTEP Capacity x Readability (g)	3,000 x 0.0[1]	6,000 x 0.1[1]	15,000 x 0.1[1]	35,000 x 0.1[1]
NTEP Capacity x Readability (oz)	60 x 0.002	120 x 0.02	300 x 0.02	700 x 0.02
Linearity (g)	± 0.02	± 0.1	± 0.3	± 0.3
Order Number	RD3RM-2E0	RD6RM-2E0	RD15LM-2E0	RD35LM-2E0

Ranger Factory Options — Contact your local Ohaus dealer

2nd RS232— To order Ranger with second RS232 data interface, add /2 to the order number above.

General Specifications

Platform Size (w x d) (in/cm)	6.4 x 6.4 / 16.2 x 16.2	9.5 x 8 / 24 x 20	14 x 9.5 / 35 x 24
Scale dimensions (w x d x h) (in/cm)	10.5 x 13.2 x 4 / 26.5 x 33.5 x 10	14.2 x 14.6 x 4.5 / 36 x 37 x 11.5	
Shipping dimensions (w x d x h) (in/cm)	16.5 x 19 x 10 / 42 x 48 x 25	20 x 20.5 x 10.5 / 52 x 53 x 27	
Weight (lb/kg)	11.5 / 5 net (14 / 6.5 gross)	21 / 9.5 net (24 / 11 gross)	
Weighing Units	g, kg, lb oz		
Display (in/mm)	0.63 / 16 digit height, backlit LCD		
Power	Internal AC power supply		
Span Calibration	25% - 100% of capacity		
Linearity Calibration (3 point calibration)	0% - 50% - 100% capacity		
Auto zero tracking	0.5d, 1d, 3d, off		
Construction	Stainless steel weighing pan / Painted cast-aluminum housing		
Protection	IP43		
Operating temperature (°F / °C)	50° to 86° / 10° to 30°		
Storage temperature	-4° to 140° / -20° to 60°		

All Ranger models meet the requirements of Approval Agencies: UL, FCC, CSA, CE Safety EN60950, Emissions EN55022, Immunity EN50082-1. OIML/EC-Type Approval pending as of 8/30/01.

Standard Features

RS232 bi-directional interface, backlit LCD display, Gross / Tare / Net function, auto-off timer, internal AC power supply, leveling feet, leveling bubble, loop for security device, 4-key membrane keypad, rugged cast aluminum housing, auto zero tracking, retain zero data during power off, user selectable gradation, fill application, user selectable averaging and level sensitivity, primary and secondary display units user selectable, automatic taring, configurable primary and secondary RS232 port settings with programmable output header, software LFT lockout switch.

Accessories

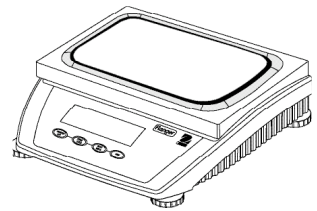
In-use cover, carrying case, anti-theft device, auxiliary display.

Factory Installed Options

Additional bi-directional RS232 data interface

Industry Leading Quality and Support

All Ohaus AP balances are manufactured under an ISO 9001:2000 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all Ohaus products for nearly a century.



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Registered Quality Management System

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