

Ranger Series

Compact Industrial Bench Scales



Model Ranger

Compact Industrial Bench Scale

Ranger sets the new standard for high performance weighing. State-of-the-art measurement technology is encased in a durable, cast-aluminum housing to produce results which are stable, accurate, and ultra-fast. Ranger comes in Basic Weighing, High Resolution and Basic Counting models. With two platform sizes, a wide range of capacities and readabilities, simple operation and a large backlit display Ranger and RangerCount are just perfect for your industrial environment.

Experience the power of Ranger and weigh like you've never weighed before.

- Basic Weighing, High Resolution and Basic Counting models
- Rugged cast aluminum housing
- High speed backlit display
- AC or Battery powered
- IP65 washdown and OIML approved models available

Ranger

Basic Weighing Scales

✓ Ultra-fast and high performance weighing for industry

Ranger Basic Weighing features a 16-bit microprocessor and adaptive digital filtering for accurate, "ultra fast" response time and stable read-out. This state-of-the-art technology is encased in a rugged cast-aluminum housing and its platform is in chrome nickel steel to protect it from hostile industrial environments and conditions.

✓ Dual Range Models

6 models from 1.5 to 60 kg in dual range, Ranger Basic Weighing offers 2 scales in one. They are available with 2 scale sizes and 2 platform sizes according to capacity.

✓ High Resolution Models

From 1.5 kg to 35 kg capacity, the 5 models of the Ranger High resolution range offer default readabilities from 60.000 to 350.000 points for non approved applications. They are available with 2 scale sizes and 3 platform sizes according to capacity.

✓ Battery Capability

For easy mobility and portability, an optional internal rechargeable battery is available. An automatic switch off timer can be selected from the menu to save battery live.



✓ IP65 Protection

For aggressive and wet environment and for applications which require water cleaning. IP65 configuration option available on all models.

✓ EC Type Approved - OIML

For legal for trade or other legal applications, all models are available on EC Type approved versions. Their readability is of 2 x 3000 points for the dual range models and of 6000 to 35.000 points for the High Resolution models.

✓ Communication

Communication with external systems such as printer, computer or other scales are possible through the built-in RS232 interface. A 5 lines downloadable text, 24 characters per line, can be stored in Ranger as a header. As an option, an additional RS232 bi-directional interface can be supplied.



Clear

Clear APW and return to weight

APW

Average piece weight

Scale Select

Switch between 2 Ranger scales (Counting scale and Reference scale)

RangerCount

Counting Scales

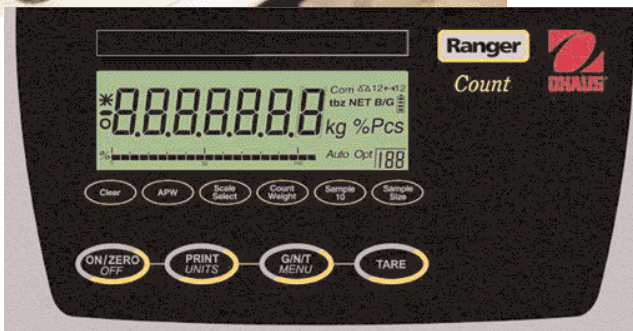
The RangerCount offers all the features of the Ranger Basic Weighing scale (dual range models) plus it adds a counting application which features an internal counting resolution of 1 in 300,000 (1 in 3 million with counting system configuration). Its variable sample size possibility guarantees flexibility allowing a wide range of pieces to be counted.

✓ Automatic reference optimization

The “Automatic Reference Technology” (ART) of RangerCount re-calculates the average piece weight to insure the highest accuracy.

✓ Light pieces “Add Mode”

For accurate counting of light pieces, the RangerCount “Add mode” automatically determines when the reference weight is too light and prompts the operator to add the necessary pieces to ensure an accurate count.



✓ Counting System

A common counting application is the use of a two-scale system. A high capacity scale for increased quantity which is connected to a high resolution scale for increased accuracy.

RangerCount can be connected to another Ranger to offer more capacity and better accuracy.

✓ RangerCount Display

The backlit LCD display shows all necessary information to make RangerCount easy to use and easy to read (balance identification, bargraph capacity guide, reference sample size, net, gross, ...)

Count
Weight

Switch between
count and weigh

Sample
10

Count using a fixed sample
size of 10 pieces

Sample
Size

Count using a variable
sample size

Ranger Compact Industrial Bench Scales

Basic Weighing Models	RD3RD	RD6RD	RD15RD	RD15LD	RD35LD	RD60LD
Basic Counting Models	RC3RD	RC6RD	RC15RD	RC15LD	RC35LD	RC60LD
Capacity	3 kg	6 kg	15 kg	15 kg	35 kg	60 kg
Default Readability (for approved and non-approved models)	1.5 kg x 0.5 g 3 kg x 1 g	3 kg x 1 g 6 kg x 2 g	6 kg x 2 g 15 kg x 5 g	6 kg x 2 g 15 kg x 5 g	15 kg x 5 g 35 kg x 10 g	30 kg x 10 g 60 kg x 20 g
Max. Resolution (non-approved)	1:30 000	1:30 000	1:30 000	1:30 000	1:30 000	1:30 000
Linearity	±0.2 g	±0.5 g	±1.0 g	±1.0 g	±2.0 g	±5.0 g
Platform size (w x d)	24 x 20 cm			35 x 24 cm		
Scale dimensions (w x d x h)	26.5 x 33.5 x 10 cm			36 x 37 x 11.5 cm		
Shipping dimensions (w x d x h)	42 x 48 x 25 cm			52 x 53 x 27 cm		
Weight	5 kg net (6.5 kg gross)			9.5 kg net (11 kg gross)		

High Resolution Models Basic Weighing only	RD1SM	RD3SM	RD6RM	RD15LM	RD35LM
Capacity	1.5 kg	3 kg	6 kg	15 kg	35 kg
Default Readability (non-approved)	1.5 kg x 0.01 g	3 kg x 0.01 g	6 kg x 0.1 g	15 kg x 0.1 g	35 kg x 0.1 g
Readability (approved)	1.5 kg x 0.1 g	3 kg x 0.1 g	6 kg x 1 g	15 kg x 1 g	35 kg x 1 g
Linearity	±0.02 g		±0.1 g	±0.3 g	
Platform size (w x d)	16.5 x 16.5 cm		24 x 20 cm	35 x 24 cm	
Scale dimensions (w x d x h)	26.5 x 33.5 x 10 cm			36 x 37 x 11.5 cm	
Shipping dimensions (w x d x h)	42 x 48 x 25 cm			52 x 53 x 27 cm	
Weight	5 kg net (6.5 kg gross)			9.5 kg net (11 kg gross)	

General Specifications – All Models

Weighing units	g, kg, lb, oz
Display	16 mm digit height (Backlit LCD)
Power	Internal power supply/40 hour rechargeable battery powered models available
Construction	Stainless steel weighing pan/Painted cast-aluminum housing
Protection	IP43 is standard/IP65 washdown models available
Operating temperature	Standard models: -10 °C to 40 °C/High Resolution models: -5 °C to 35 °C
Storage temperature	-20 °C to 60 °C

Meets Requirements of Approval Agencies: Safety EN60950, Emissions EN55022, Immunity EN50082-1, OIML approval.

Standard Features

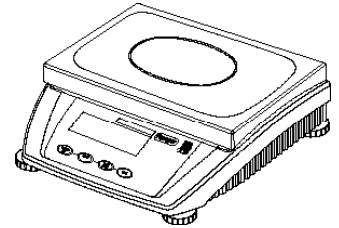
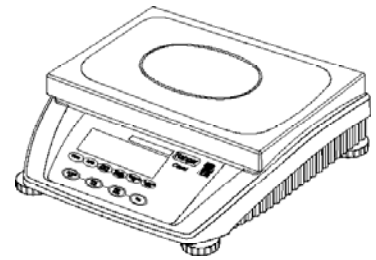
LCD display, Net/Gross/Tare function, auto-timer off, RS232 bi-directional interface, leveling feet, leveling bubble, rugged steel construction.

Options

OIML approved models, IP65 protection, second RS232 data interface, internal rechargeable battery, protection cover (assembled)

Simple To Order

Contact your dealer for product availability as well as warranty information.



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