

Analytical and Precision Balances



Designed for routine weighing applications in your workplace

Offering accuracy and repeatability during essential weighing applications in laboratory, industrial and education settings, Fisherbrand™ analytical and precision balances deliver competitive performance at an economical price. Featuring RS232 connectivity for easy communication, and a backlit display and a simple interface for uncomplicated operation, these balances are perfectly designed for your workplace.

Standard features include:

- **Basic functionality for routine weighing applications**

Fisherbrand balances are equipped with four essential weighing modes, RS232 connectivity for data transfer and storage and internal calibration (in selected models) making them ideal for routine weighing applications.

- **Designed for uncomplicated operation with easy-to-use display and interface**

Equipped with an easy-to-read, bright backlit display and a simple user interface, they are incredibly easy to operate, with almost no training required.

- **Smart design and durable construction**

Fisherbrand balances have a small footprint which saves on benchtop space while providing a large weighing surface. They are durably constructed, and feature a stainless steel pan to withstand day-to-day use in the workplace.

Analytical and Precision Balances

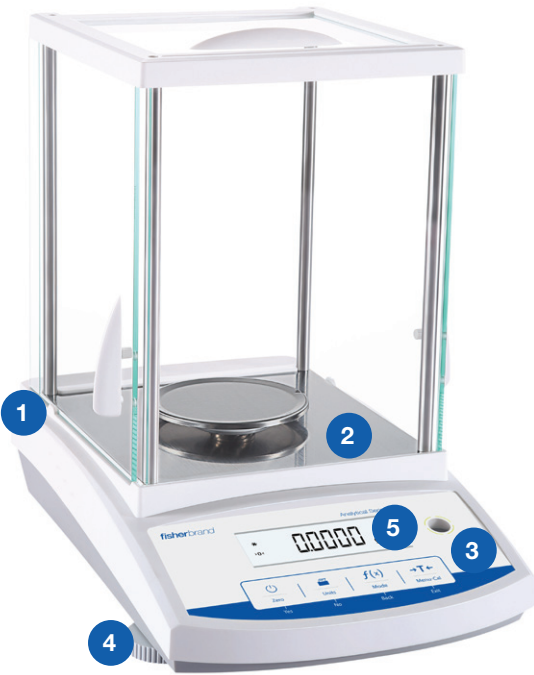


Image above is representative of an analytical balance*

- 1. Standard RS232 connectivity for easy data transfer
- 2. Durably constructed, and features a stainless steel pan to withstand day-to-day use
- 3. Four mechanical keys enable easy operation of basic application modes
- 4. Two adjustable feet that allow user to level the balance
- 5. A large, bright backlit display allows for easy viewing of results



Cat. No (InCal models)	15927500*
Series	Analytical
Capacity (g)	220
Readability (g)	0.0001
Repeatability (STDEV) (g)	0.0001
Linearity (g)	0.002
Stabilisation time (s)	4
Sensitivity temperature drift (PPM/K)	±3
Typical minimum weight USP (USP K=2, U=0.10%)	200mg
Optimised min-weight (USP, u=0.10%, k=2) SRP ≤ 0.41d†	82mg
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Newton, Grain
Applications	Basic weighing; Parts counting; Percent weighing
Platform size (diameter)	9cm
Span calibration points (g)	100, 200
Linearity calibration points (g)	50, 100, 150, 200
Tare range	To capacity by subtraction
Power supply	Power input: 100-240V ~ 200mA 50-60Hz 12-18VA Power output: 12 VDC 0.5A
Assembled dimensions (mm) (W × D × H)	201 x 317 x 303
Communication	RS232
Operating temperature range	10°C to 30°C
Storage temperature range	Humidity: maximum relative humidity 80% for temperatures up to 30°C, decreasing linearly to 50% relative humidity at 40°C
Storage conditions	-10°C to 60°C, humidity 10% to 90%, without condensation
Net weight	4.5kg
Shipping weight	7kg
Shipping dimensions (W × D × H)	507 x 387 x 531mm

†SRP refers to the standard deviation for n replicate weighings (n≥10).

Precision Balances

Standard RS232 connectivity
for easy data transfer.



A large, bright backlit display
allows for easy viewing of results.



Two adjustable feet that
allow user to level the
balance.

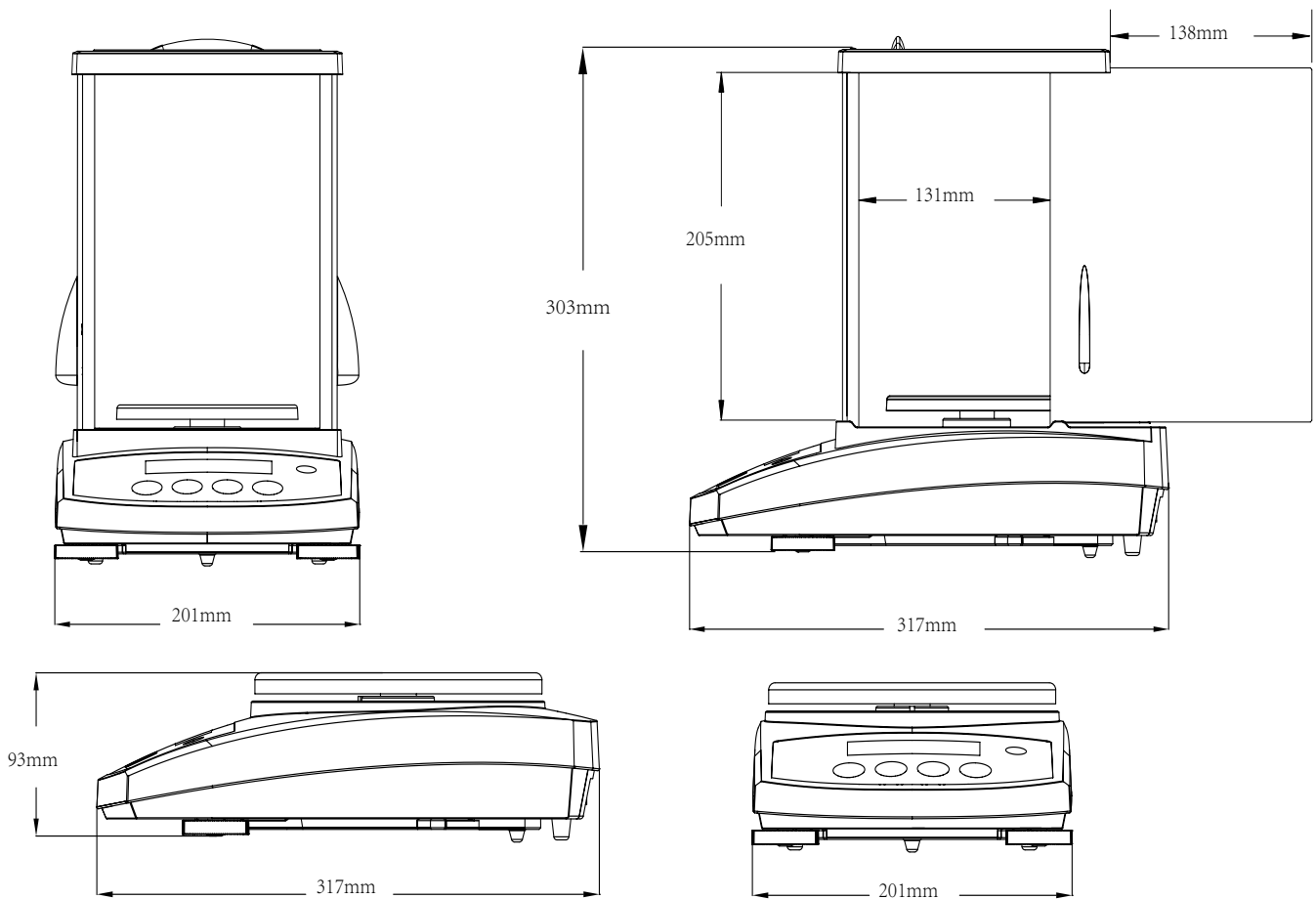
Four mechanical keys
enable easy operation of
basic application modes.

Cat. No (InCal models)	15927510
Capacity (g)	4200
Readability (g)	0.01
Repeatability (STDEV) (g)	0.01
Linearity (g)	0.02
Stabilisation time (s)	1
Sensitivity temperature drift (PPM/K)	±3
Typical minimum weight USP (USP K=2, U=0.10%)	20g
Optimised min-weight (USP, u=0.10%, k=2) SRP ≤ 0.41d†	8.2g
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Newton, Grain
Applications	Basic weighing; Parts counting; Percent weighing
Platform size (diameter)	18cm
Span calibration points (g)	2000, 4000
Linearity calibration points (g)	1000, 2000, 3000, 4000
Tare range	To capacity by subtraction
Power supply	Power input: 100-240V ~ 200mA 50-60Hz 12-18VA Power output: 12 VDC 0.5A
Assembled dimensions (mm) (W × D × H)	201 x 317 x 93
Communication	RS232
Operating temperature range	10°C to 30°C
Storage temperature range	Humidity: maximum relative humidity 80% for temperatures up to 30°C, decreasing linearly to 50% relative humidity at 40°C
Storage conditions	-10°C to 60°C, humidity 10% to 90%, without condensation
Net weight	3.5kg
Shipping weight	5kg
Shipping dimensions (W × D × H)	550 x 385 x 291mm

†SRP refers to the standard deviation for n replicate weighings (n≥10).

Analytical and Precision Balances

Dimensions



Other standard features and equipment

ABS top housing, removable stainless steel pan, glass draftshield with sliding top door, integrated weigh-below-hook, security bracket, calibration lock, user-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, software lockout and reset menu, user-selectable communication settings and data print options, user-definable project and user IDs, software overload/underload indicator, stability indicator

Compliance

- **Product safety:** IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL 61010-1
- **Electromagnetic compatibility:** IEC/EN 61326-1 Class B, basic environments; FCC Part 15 Class A; Canada ICES-003 Class A
- **Compliance marks:** CE; CSA

Accessories

Cat. No	Description	Pack qty
15380684	Auxiliary display PAD7	1
11850133	Density kit for solids	1
15390684	Sinker glass for density determination	1
13445129	Printer SF40A	1
15276939	SF40A ink ribbon cassette	1
15266939	SF40A paper roll, 57.5 mm (two rolls)	2
10496791	Security device	1
12008548	In-use cover	1
15466101	Stand-alone Ioniser ION-100A	1
11800981	RS232 cable (9-pin)	1

For more information, contact Fisher Scientific

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