

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 three 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



Image above is representative of a precision balance with draft shield**



Cat. No (InCal models)	15987490*	15907500*	15927500*	15947500**	15967500**
Cat. No (ExCal models)	15977490*	15997490*	15917500*	15937500**	15957500**
Series	Analytical			Precision	
Capacity (g)	62	120	220	220	420
Readability (g)	0.0001	0.0001	0.0001	0.001	0.001
Repeatability (STDEV) (g)	0.0001	0.0001	0.0001	0.001	0.001
Linearity (g)	0.0002	0.0002	0.0002	0.002	0.002
Stabilisation time (s)	4			2	2
Sensitivity temperature drift (PPM/K)	±3	±3	±3	±8	±3
Typical minimum weight USP (USP K=2, U=0.10%)	200mg			2g	
Optimised min-weight (USP, u=0.10%, k=2) SRP ≤ 0.41d†	82mg			0.82g	
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Newton, Grain				
Applications	Basic weighing; Parts counting; Percent weighing				
Platform size (diameter)	9cm	9cm	9cm	12cm	12cm
Span calibration points (g)	30, 60	50, 100	100, 200	100, 200	200, 400
Linearity calibration points (g)	20, 40, 60	50, 75, 100	50, 100, 150, 200	50, 100, 150, 200	100, 200, 300, 400
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 ($n \geq 10$).

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.

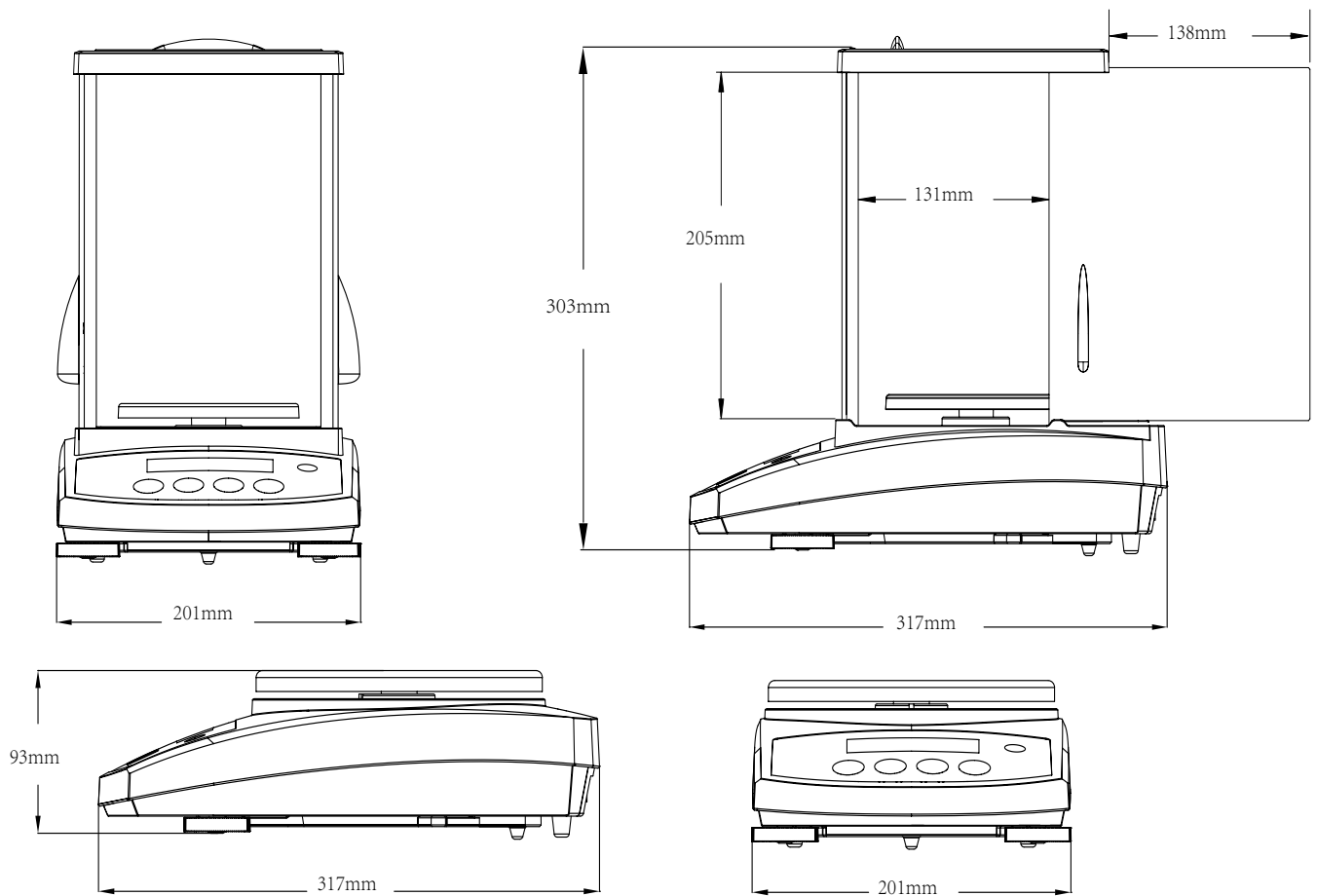
Four mechanical keys enable easy operation of basic application modes.

Cat. No (InCal models)	15987500	15907510	15927510	15947510	-
Cat. No (ExCal models)	15977500	15997500	15917510	15937510	15957510
Capacity (g)	820	2200	4200	4200	6200
Readability (g)		0.01			0.1
Repeatability (STDEV) (g)		0.01			0.1
Linearity (g)		0.02			0.2
Stabilisation time (s)	1				
Sensitivity temperature drift (PPM/K)	±6	±6	±3	±10	±10
Typical minimum weight USP (USP K=2, U=0.10%)	20g			200g	
Optimised min-weight (USP, u=0.10%, k=2) SRP ≤ 0.41d†	8.2g			82g	
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)	400,800	1000, 2000	2000, 4000	2000, 4000	3000, 6000
Linearity calibration points (g)	200,400, 600,800	500, 1000, 1500, 2000	1000, 2000, 3000, 4000	1000, 2000, 3000, 4000	2000, 4000, 6000
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
11850133	Density kit for solids	1
15390684	Sinker glass for density determination	1
13445129	Printer	1
15276939	Printer ink ribbon cassette	1
15266939	Printer paper roll (pack of two)	2
10496791	Security device	1
15466101	Stand-alone Ioniser	1
11800981	RS232 cable (9-pin)	1

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