



EJ NEWTON SERIES

Portable Balances

14 affordable models - Save on space with reliable performance

A&D
A&D Weighing

PORTABLE BALANCES

The EJ Newton Series

Affordable and built-to-last, EJ Series balances are used in many settings:

Industrial
Pharmacy
Education

With thousands of balances in laboratories and production facilities around the world, the EJ Series has provided years of reliable weighing performance and are backed by A&D's industry-leading 5 year warranty.

Readability	Capacity	Model
0.001 g	120 g	EJ-123
	310 g	EJ-303
0.01 g	120 g	EJ-120
	210 g	EJ-200
	310 g	EJ-300
	410 g	EJ-410
	610 g	EJ-610
	1200 g	EJ-1202
	3100 g	EJ-3002
0.1 g	1500 g	EJ-1500
	2100 g	EJ-2000
	3100 g	EJ-3000
	4100 g	EJ-4100
	6100 g	EJ-6100

Affordable Precision

Now students, researchers and industrial users have a convenient and affordable way to make milligram measurements.

The EJ's have standard functions usually found in balances costing twice as much:

- Gravity correction
- Accumulation M+ Function
- GLP/GMP/GCP/ISO Compliant
- Auto Counting Accuracy Improvement ACAI
- Adjustable response characteristics
- Display Hold



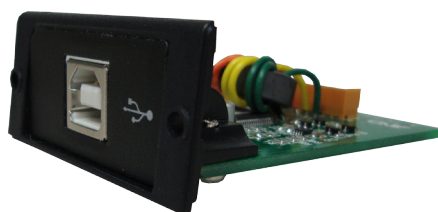
Draft shield standard on EJ-123 and EJ-303

The EJ-303 and EJ-123 make milligram measurements as easy as, well, 1-2-3:

1. Plug-in and warm-up the balance.
2. Level the balance by adjusting the feet.
3. Start weighing.

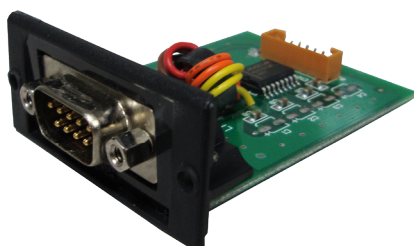
Options

EJ-02 & EJ-02C



Quick USB interface. Option EJ-02C includes USB cable.

EJ-03



RS-232C (serial) interface.

EJ-07 & EJ-08



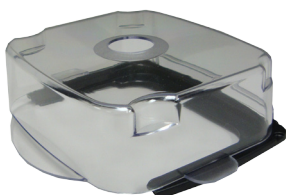
Underhook for 0.1 g models. See Options on page 4.

EJ NEWTON SERIES

127 x 140 mm stainless steel weighing pan for EJ-1200 to EJ-6100. 110 mm round pan for EJ-610 & below.



EJ-11



Breeze break (draft shield) with anti-static coating. Standard with EJ-123 and EJ-303.

EJ-12



Carrying case. All models except EJ-123/303, EJ-1202/3002

EJ-13



Density determination kit for models EJ-120 to EJ-610.

EJ NEWTON SERIES SPECIFICATIONS

Model	EJ-123	EJ-303	EJ-120	EJ-200	EJ-300	EJ-410	EJ-610	EJ-1202	EJ-3002	EJ-1500	EJ-2000	EJ-3000	EJ-4100	EJ-6100
Weight capacity	120 g	310 g	120 g	210 g	310 g	410 g	610 g	1200 g	3100 g	1500 g	2100 g	3100 g	4100 g	6100 g
Readability	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Repeatability (Std. deviation)	0.003 g	0.003 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.03 g	0.03 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Linearity	±0.003 g	±0.003 g	±0.01 g	±0.01 g	±0.02 g	±0.02 g	±0.02 g	±0.03 g	±0.03 g	±0.1 g	±0.1 g	±0.2 g	±0.2 g	±0.2 g
Sensitivity drift	±20 ppm / °C (10°C-30°C / 50°F-86°F)													
No. of samples	5, 10, 25, 50 or 100 pieces													
Min. unit weight	0.001 g	0.01 g								0.1 g				
Min. % display	0.01%	0.1%												
Min. 100% weight	0.1 g	1 g								10 g				
Display	7 segment LCD display with backlight (Character height 16 mm)													
Display update	10 times per second													
Operating temp.	-10°C-30°C, less than 85% R.H. (non-condensing)													
Power supply	AC adapter (included) or 4 x "AA" size dry-cell batteries (Approximately 70 hours backlight off, alkaline batteries)													
Compliance	GLP / GMP / GCP / ISO													
Weighing pan size	110 mm Ø							127 mm x 140 mm		127 mm x 140 mm				
Weight	Approx. 1160 g		Approx. 850 g					Approx. 1490 g		Approx. 1100 g				
Calibration weight (factory setting)	100 g	300 g	100 g	200 g	300 g	400 g	600 g	1000 g	3000 g	1500 g	2000 g	3000 g	4000 g	6000 g

Specifications subject to change without notice.

Key Features



Units of Measure

N, g, oz, lb (select models), ozt (troy ounce), ct, dwt, GN. See the Instruction Manual for exact values, downloadable at www.andweighing.com

Options

- EJ-02C** USB interface with cable
- EJ-03** RS-232C interface
- EJ-07** Underhook for EJ-3000 to EJ-6100 (except for EJ-3002)
- EJ-08** Underhook for EJ-1500, EJ-2000
- EJ-11** Breeze break (Draft Shield)
- EJ-12** Carrying case (except for EJ-123/ EJ-303, EJ-1202/3002)
- EJ-13** Density determination kit for EJ-120/ EJ-200/EJ-300/EJ-410/EJ-610

Accessories

- TB:662** AC adapter 120V/220V (Replacement)
- TB:164** AC adapter 240V (Round prongs)
- AD-8127** Compact printer
- AX-KO2466-220** Cable
- AX-USB-9P** Serial to USB Adapter



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