



# 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.

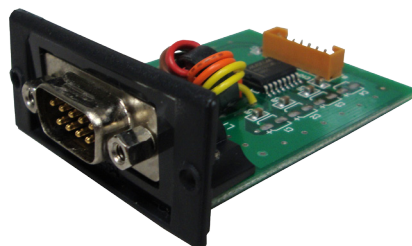
## Options

### EJ-02 & EJ-02C



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

### EJ-03



RS-232C (serial) interface.

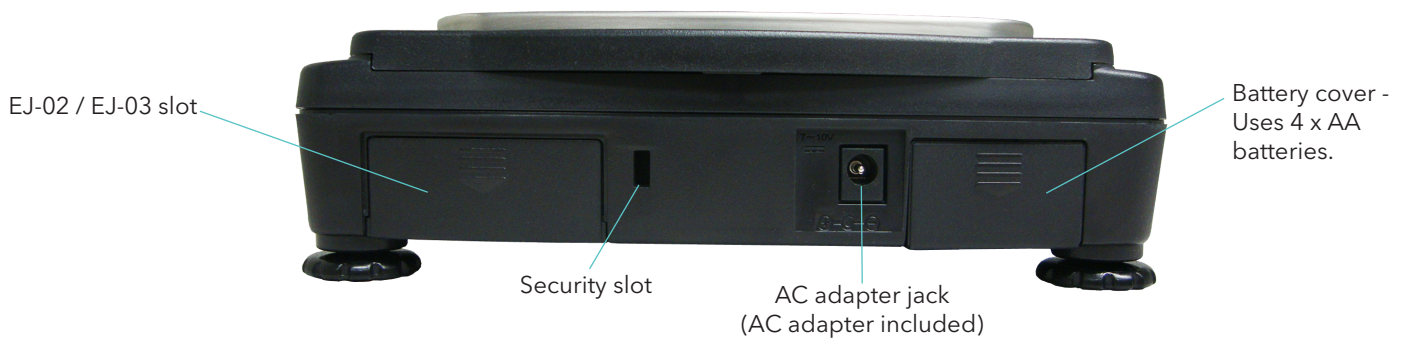
### EJ-07 & EJ-08



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



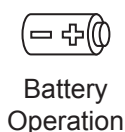
Density determination kit for models EJ-120 to EJ-610.

# 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](http://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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