

# EJ NEWTON Series

## Compact Balances



1mg Readability



10mg Readability



100mg Readability

# COMPACT BALANCES

## The EJ Newton Series

A new model with 1 mg resolution joins the EJ family of compact balances. Affordable and built-to-last, EJ Series balances are used in many applications including:

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 <b>NEW</b>
0.01 g	120 g	EJ-120
	210 g	EJ-200
	310 g	EJ-300
	410 g	EJ-410
	610 g	EJ-610
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-123 has standard functions usually found in balances costing twice as much:

- Gravity correction
- Accumulation function
- GLP compliant output



EJ-123  
(Draft shield standard)

The EJ-123 makes 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.

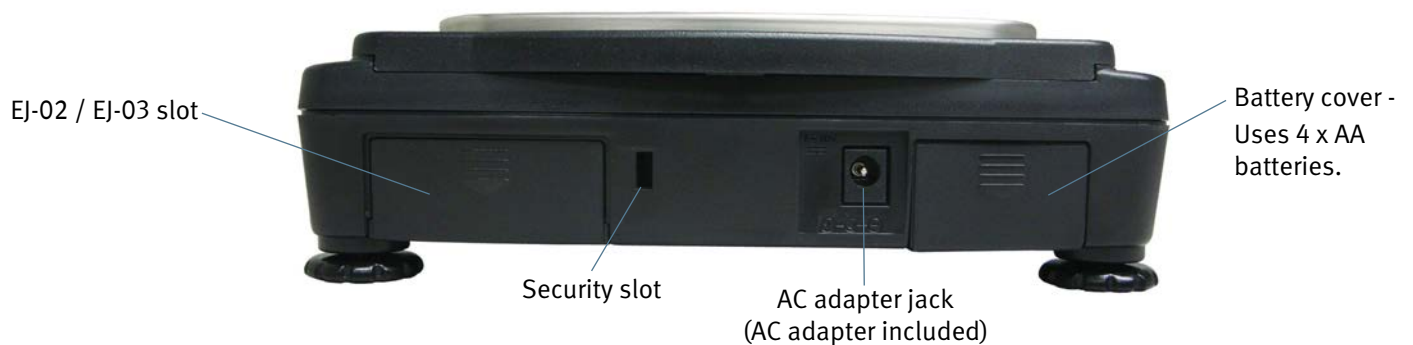
### EJ-07 & EJ-08



Underhook. EJ-07 for EJ-3000 to 6100. EJ-08 for EJ-1500, EJ-2000.

# EJ NEWTON SERIES

127 x 140 mm stainless steel weighing pan for EJ-1500 to EJ-6100.  
110 mm round pan for EJ-610 & below.



## EJ-11



Breeze break (draft shield) for all models except EJ-123.

## EJ-12



Carrying case. All models except EJ-123.

## EJ-13



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

# EJ NEWTON SERIES SPECIFICATIONS

Model	EJ-123	EJ-120	EJ-200	EJ-300	EJ-410	EJ-610	EJ-1500	EJ-2000	EJ-3000	EJ-4100	EJ-6100
Weight capacity	120 g	120 g	210 g	310 g	410 g	610 g	1500 g	2100 g	3100 g	4100 g	6100 g
Readability	0.001 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	0.01 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
Linearity	±0.003 g	±0.01 g	±0.01 g	±0.02 g	±0.02 g	±0.02 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										
Max. count	12,000 pcs	12,000 pcs	21,000 pcs	31,000 pcs	41,000 pcs	61,000 pcs	15,000 pcs	21,000 pcs	31,000 pcs	41,000 pcs	61,000 pcs
Min. unit weight	0.001 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g				
Min. % display	0.1%										
Min. 100% weight	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-40°C / 14°F-104°F, less than 85% R.H. (non-condensing)										
Power supply	AC adapter (included) or 4 x "AA" size dry-cell batteries										
Battery operation	Approximately 70 hours (backlight off, alkaline batteries)										
Weighing pan size	110 mm Ø						127 mm x 140 mm				
Weight	Approximately 850 g						Approximately 1100 g				
Calibration weight (factory setting)	100 g	100 g	200 g	300 g	400 g	600 g	1500 g	2000 g	3000 g	4000 g	6000 g

Specifications subject to change without notice.

## Units of Measure

Model	EJ-123	EJ-120	EJ-200	EJ-300	EJ-410	EJ-610	EJ-1500	EJ-2000	EJ-3000	EJ-4100	EJ-6100	
N	Capacity	1.1768	1.1768	2.0594	3.0401	4.0207	5.9821	14.710	20.594	30.401	40.207	59.821
	Min. display	0.0001	0.01	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1
oz	Capacity	4.233	4.233	7.408	10.935	14.462	21.517	52.91	74.08	109.35	144.62	215.17
	Min. display	0.0001	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01
lb	Capacity	-	0.246	0.4630	0.6834	0.9039	1.3448	3.307	4.630	6.834	9.039	13.448
	Min. display	-	0.0001	0.0001	0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001
ozt	Capacity	3.858	3.858	6.752	9.967	13.182	19.612	48.23	67.52	99.67	131.82	196.12
	Min. display	0.0001	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01
ct	Capacity	600.00	600.00	1050.00	1550.00	2050.00	3050.00	7500.0	10500.0	15500.0	20500.0	30500.0
	Min. display	0.005	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.5	0.5	0.5
dwt	Capacity	77.16	77.16	135.03	199.33	263.64	392.24	964.5	1350.3	1993.3	2636.4	3922.4
	Min. display	0.001	0.01	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1
GN	Capacity	1851.8	1851.8	3240.8	4784.0	6327.2	9413.8	23148	32408	47840	63272	94138
	Min. display	0.02	0.2	0.2	0.2	0.2	0.2	2	2	2	2	2

Specifications subject to change without notice.

## Options

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

## Accessories

<b>TB:163C</b>	AC adapter 120V (Replacement)
<b>TB:164</b>	AC adapter 240V (Round prongs)



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LIT: EJ 11/13