

WEIGHING
A&D

COMPACT BALANCES



NEWTON™ SERIES

Labquip

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A&D
A&D Weighing

Newton Series Specifications

Model	EJ-120	EJ-200	EJ-300	EJ-410	EJ-610	EJ-1500	EJ-2000	EJ-3000	EJ-4100	EJ-6100
Weight capacity	120 g	210 g	310 g	410 g	610 g	1500 g	2100 g	3100 g	4100 g	6100 g
Min. display "d"	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)	0.01 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	±0.01 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)					±20 ppm / °C (10°C-30°C / 50°F-86°F)				
No. of samples	5, 10, 25, 50 or 100 pieces					5, 10, 25, 50 or 100 pieces				
Max. count	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	0.01 g					0.1 g				
Min. % display	0.1%					0.1%				
Min. 100% weight	1 g					10 g				
Display	7 segment LCD display with backlight (Character height 16 mm)					7 segment LCD display with backlight (Character height 16 mm)				
Display update	10 times per second					10 times per second				
Operating temp.	-10°C-40°C / 14°F-104°F, less than 85% R.H. (non-condensing)					-10°C-40°C / 14°F-104°F, less than 85% R.H. (non-condensing)				
Power supply	AC adapter or 4 x "AA" size dry-cell batteries					AC adapter or 4 x "AA" size dry-cell batteries				
Battery operation	Approximately 70 hours (backlight off, alkaline batteries)					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	200 g	300 g	400 g	600 g	1500 g	2000 g	3000 g	4000 g	6000 g

Units of Measure

Model	EJ-120	EJ-200	EJ-300	EJ-410	EJ-610	EJ-1500	EJ-2000	EJ-3000	EJ-4100	EJ-6100	
oz	Capacity	4.233	7.408	10.935	14.462	21.517	52.91	74.08	109.35	144.62	215.17
	Min. display	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01
lb	Capacity	—	—	—	0.9039	1.3448	3.307	4.630	6.834	9.039	13.448
	Min. display	—	—	—	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001
ozt	Capacity	3.858	6.752	9.967	13.182	19.612	48.23	67.52	99.67	131.82	196.12
	Min. display	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01
ct	Capacity	600.00	1050.00	1550.00	2050.00	3050.00					
	Min. display	0.05	0.05	0.05	0.05	0.05					
mom	Capacity	32.000	56.000	82.665	109.335	162.665	400.00	560.00	826.65	1093.35	1626.65
	Min. display	0.005	0.005	0.005	0.005	0.050	0.05	0.05	0.05	0.05	0.05
dwt	Capacity	77.16	135.03	199.33	263.64	392.24	964.5	1350.3	1993.3	2636.4	3922.4
	Min. display	0.01	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1
GN	Capacity	1851.8	3240.8	4784.0	6327.2	9413.8	23148	32408	47840	63272	94138
	Min. display	0.2	0.2	0.2	0.2	0.2	2	2	2	2	2
tl (Hong Kong General)	Capacity	3.1745	5.5555	8.2010	10.8465	16.1380	39.685	55.555	82.01	108.465	161.380
	Min. display	0.0005	0.0005	0.0005	0.0005	0.0005	0.005	0.005	0.005	0.005	0.005
tola	Capacity	10.288	18.004	26.578	35.151	52.299	128.6	180.04	265.78	351.51	522.99
	Min. display	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01

Options

- EJ-02 USB interface
- EJ-03 RS-232C interface
- EJ-07 Underhook for EJ-3000/EJ-4100/EJ-6100

- EJ-08 Underhook for EJ-1500/EJ-200
- EJ-11 Breeze break
- EJ-12 Carrying case

- EJ-13 Density Determination Kit for EJ-120/EJ-200/EJ-300/EJ-410/EJ-610

Specifications subject to change without notice.