



Compact Balances

# *EK-i*

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# *EW-i*

Series



*EK-i*



*EW-i*



**AND**  
Discover Precision  
[www.andweighing.com.au](http://www.andweighing.com.au)

# ***Choose the best for your weighing applications from a wider selection. High resolution up to 1/60,000!*** ***(EK-610i, EK-6100i)***

*A wider selection of capacities & resolutions, and remote-zeroing has been included in a low-profile rugged housing. For years the EK/EW series balances have been top selling products. Now the new EK-i Compact Balances have been designed to continue this tradition with enhanced capacities and resolutions, and EW-i series comes with attractive triple ranges of weighing. All feature RS-232C as standard and are designed to meet weights and measures regulations of various countries (e.g. NTEP, EC).*

- Wide selection of 16 different models 30g ~ 12kg
- Large LCD display (16mm height) with backlight – easy to read even at a wide viewing angle or dark environment
- Control zero, mode selection and data output with standard RS-232C
- Triple range weighing for EW-i series
- 9 built-in weighing units plus counting & percentage with user priority start-up
- Counting function with Automatic Counting Accuracy Improvement
- Standard comparator function – HI/OK/LO annunciator
- Full Digital Calibration with optional user definable mass setting
- Conformity to GLP with I.D. and serial number outputs
- Auto Power OFF
- Portable-compact size, lightweight, rugged body
- Sealed key panel protection against dust and spills
- Low profile and small footprint for any space requirement
- Overload protection
- Stainless steel weighing pan
- Easy to install rechargeable Ni-MH battery (Optional)
- Optional underhook weighing for EK-4100i/6100i/6000i/12Ki, EW-12Ki
- Leveling feet and level bubble for accurate weighing
- Security ring to prevent theft



# EK-i



# EW-i



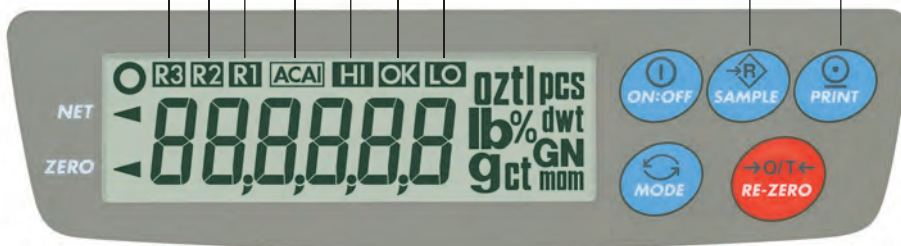
**WEIGHING RANGE**  
(EW-i series only)  
Triple range indication

**ACAI**  
Automatic Counting  
Accuracy Improvement

**HI/OK/LO**  
Comparator Annunciator

**SAMPLE**  
Register a sample count or  
100% in percentage

**PRINT**  
Transmit data to printer  
or computer

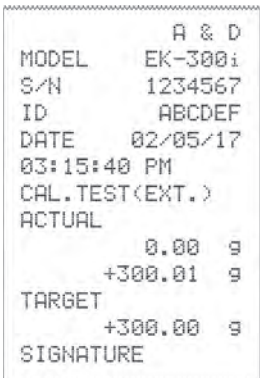


**Multi weighing units**

- |                          |                     |
|--------------------------|---------------------|
| <b>oz</b> — Ounce (av)   | <b>g</b> — Gram     |
| <b>ozt</b> — Troy ounce  | <b>ct</b> — Carat   |
| <b>tl</b> — Tael         | <b>mom</b> — Momme  |
| <b>lb</b> — Pound (av)   | <b>pcs</b> — Pieces |
| <b>GN</b> — Grain unit   | <b>%</b> — Percent  |
| <b>dwt</b> — Pennyweight |                     |

**GLP**

Balance I.D. number allows calibration output verification



**Options & Accessories**

**Dot Matrix Compact Printer**  
\*AD-8121B



**Optional Ni-MH Pack**  
\*EKW-09i

For complete portability and use in areas with power problems



**Carrying Case**  
\*EKW-12i



## EK-i/EW-i Series Specifications

	EK-120 i *	EK-200 i *	EK-300 i *	EK-410 i	EK-610 i	EK-600 i *	EK-1200 i *	EK-2000 i *	EK-3000 i	EK-4100 i	EK-6100 i		
Gram(g)	120 x 0.01	200 x 0.01	300 x 0.01	400 x 0.01	600 x 0.01	600 x 0.1	1200 x 0.1	2000 x 0.1	3000 x 0.1	4000 x 0.1	6000 x 0.1		
Decimal Ounce(av)(oz)	4.2330 x 0.0005	7.0550 x 0.0005	10.5820 x 0.0005	14.110 x 0.001	21.164 x 0.001	21.165 x 0.005	42.330 x 0.005	70.550 x 0.005	105.820 x 0.005	141.10 x 0.01	211.64 x 0.01		
Decimal Pound(av)(lb)	—	—	—	0.8818 x 0.0001	1.3228 x 0.0001	1.3230 x 0.0005	2.6455 x 0.0005	4.4090 x 0.0005	6.6140 x 0.0005	8.818 x 0.001	13.228 x 0.001		
Troy Ounce(ozt)	3.8580 x 0.0005	6.4300 x 0.0005	9.6450 x 0.0005	12.860 x 0.001	19.290 x 0.001	19.290 x 0.005	38.580 x 0.005	64.300 x 0.005	96.450 x 0.005	128.60 x 0.01	192.90 x 0.01		
Pennyweight(dwt)	7716 x 0.01	128.60 x 0.01	192.90 x 0.01	25721 x 0.01	385.81 x 0.01	385.8 x 0.1	7716 x 0.1	12860 x 0.1	19290 x 0.1	25721 x 0.1	38581 x 0.1		
Carat(ct)	600.00 x 0.05	1000.00 x 0.05	1500.00 x 0.05	2000.0 x 0.1	3000.0 x 0.1	3000.0 x 0.5	6000.0 x 0.5	10000.0 x 0.5	15000.0 x 0.5	20000 x 1	30000 x 1		
Momme(mom)	32.000 x 0.005	53.335 x 0.005	80.000 x 0.005	106.665 x 0.005	160.000 x 0.005	160.00 x 0.05	320.00 x 0.05	533.35 x 0.05	800.00 x 0.05	1066.65 x 0.05	1600.00 x 0.05		
Grain Unit(GN)	1851.8 x 0.2	3086.4 x 0.2	4629.8 x 0.2	6173.0 x 0.2	9259.4 x 0.2	9260 x 2	18518 x 2	30864 x 2	46298 x 2	61730 x 2	92594 x 2		
Tael(H.K General)(tl)	3.1745 x 0.0005	5.2910 x 0.0005	7.9365 x 0.0005	10.5820 x 0.0005	15.8735 x 0.0005	15.875 x 0.005	31.745 x 0.005	52.910 x 0.005	79.365 x 0.005	105.820 x 0.005	158.735 x 0.005		
Counting Mode	Max. count	12,000pcs	20,000pcs	30,000pcs	40,000pcs	60,000pcs	6,000pcs	12,000pcs	20,000pcs	30,000pcs	40,000pcs		
	Min. unit weight	0.01g					0.1g						
Percent Mode	No. of samples	5, 10, 25, 50 or 100 pieces											
	Min. div.	0.1%											
Linearity	Min. 100% weight	1g				10g				0.2g			
	Repeatability/Std.Dev.	0.01g				0.02g				0.1g			
Sensitivity Drift	20ppm/ C(10 C~30 C/50 F~86 F)												
Display Type	7 segment LCD with backlight (character height 16mm)												
Display Refresh	10 times/second												
Pan size (W) x (D)	Ø110mm/4.3inches					133 x 170mm/5.2 x 6.7inches							
Physical Dimensions(mm)	190(W) x 218(D) x 55(H)					190(W) x 218(D) x 53(H)							
Physical Dimensions(inches)	7.5(W) x 8.6(D) x 2.2(H)					7.5(W) x 8.6(D) x 2.1(H)							
Admissible Ambient Temperature	-10 C~40 C / 14 F~104 F, less than 85% R.H. (non-condensing)												
Weight(approx.)	1.1kg					1.5kg							
Calibration Mass (default setting)	120g	200g	300g	400g	600g	600g	1200g	2000g	3000g	4000g	6000g		
Power	AC adapter or Ni-MH battery pack (option)												
Standard Accessories	Manual, AC adapter												

\* These models are not available in Australia

	EK-6000 i	EK-12Ki	EW-150i			EW-1500 i			EW-12Ki			
Gram(g)	6000 x 1	12000 x 1	30 x 0.01	60 x 0.02	150 x 0.05	300 x 0.1	600 x 0.2	1500 x 0.5	3000 x 1	6000 x 2	12000 x 5	
Decimal Ounc e(av)(oz)	211.65 x 0.05	423.30 x 0.05	1.0580 x 0.0005	2.116 x 0.001	5.292 x 0.002	10.580 x 0.005	21.16 x 0.01	52.92 x 0.02	105.80 x 0.05	211.6 x 0.1	423.2 x 0.2	
Decimal Pound(av)(lb)	13.230 x 0.005	26.455 x 0.005	—	—	—	0.6615 x 0.0005	1.323 x 0.001	3.306 x 0.002	6.615 x 0.005	13.23 x 0.01	26.46 x 0.02	
Troy Ounce(ozt)	192.90 x 0.05	385.80 x 0.05	0.9645 x 0.0005	1.929 x 0.001	4.822 x 0.002	9.645 x 0.005	19.29 x 0.01	48.22 x 0.02	96.45 x 0.05	192.9 x 0.1	385.8 x 0.2	
Pennyweight(dwt)	3858 x 1	7716 x 1	19.29 x 0.01	38.58 x 0.02	96.45 x 0.05	192.9 x 0.1	385.8 x 0.2	964.5 x 0.5	1929 x 1	3858 x 2	7715 x 5	
Carat(ct)	—	—	150.00 x 0.05	300.0 x 0.1	750.0 x 0.2	1500.0 x 0.5	3000 x 1	7500 x 2	—	—	—	
Momme(mom)	1600.0 x 0.5	3200.0 x 0.5	8.000 x 0.005	16.00 x 0.01	40.00 x 0.02	80.00 x 0.05	160.0 x 0.1	400 x 0.2	800 x 0.5	1600 x 1	3200 x 2	
Grain Unit(GN)	—	—	463.0 x 0.2	926.0 x 0.5	2315 x 1	4630 x 2	9260 x 5	23150 x 10	—	—	—	
Tael(H.K General)(tl)	158.75 x 0.05	317.45 x 0.05	0.7935 x 0.0005	1.587 x 0.001	3.968 x 0.002	7.935 x 0.005	15.87 x 0.01	39.68 x 0.02	79.35 x 0.05	158.7 x 0.1	317.4 x 0.2	
Counting Mode	Max. count	6,000pcs	12,000pcs	15,000pcs			15,000pcs			12,000pcs		
	Min. unit weight	1g		0.01g			0.1g			1g		
Percent Mode	No. of samples	5, 10, 25, 50 or 100 pieces										
	Min. div.	0.1%										
Linearity	Min. 100% weight	100g	1g			10g			100g			
	Repeatability/Std.Dev.	1g	0.01g	0.02g	0.05g	0.1g	0.2g	0.5g	1g	2g	5g	
Sensitivity Drift	20ppm/ C(10 C~30 C/50 F~86 F)											
Display Type	7 segment LCD with backlight (character height 16mm)											
Display Refresh	10 times/second											
Pan size (W) x (D)	133 x 170mm/5.2 x 6.7inches		Ø110mm/4.3inches			133 x 170mm/5.2 x 6.7inches						
Physical Dimensions(mm)	190(W) x 218(D) x 53(H)		190(W) x 218(D) x 55(H)			190(W) x 218(D) x 53(H)						
Physical Dimensions(inches)	7.5(W) x 8.6(D) x 2.1(H)		7.5(W) x 8.6(D) x 2.2(H)			7.5(W) x 8.6(D) x 2.1(H)						
Admissible Ambient Temperature	-10 C~40 C / 14 F~104 F, less than 85% R.H. (non-condensing)											
Weight(approx.)	1.5kg		1.1kg			1.5kg			1.5kg			
Calibration Mass (default setting)	6000g	12kg	150g			1500g			12kg			
Power	AC adapter or Ni-MH battery pack (option)											
Standard Accessories	Manual, AC adapter											

Specifications are subject to change for improvement without notice.

## Option

- EKW-04i \* Comparator/Relay Output
  - EKW-07i Underhook (for EK-4100 i/6100 i/6000 i/12Ki, EW-12K i only)
  - EKW-09i \* Rechargeable Battery Pack (Ni-MH)
  - EKW-12i Carrying Case
- ★ EKW-04 i and EKW-09 i cannot be used simultaneously.

## Accessories

- AD-8121B Dot Matrix Compact Printer
- AD-8118C Universal Printer
- AD-8524B Keyboard Adapter
- AD-8920A External Display
- AX-3005824-5S Protective Cover (5pcs.)



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