



Compact Balances

***EK-i***

***EW-i***

Series



*EK-i*



*EW-i*



**AND** ...Clearly a Better Value  
A&D Company, Limited  
<http://www.aandd.jp>

# ***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).*

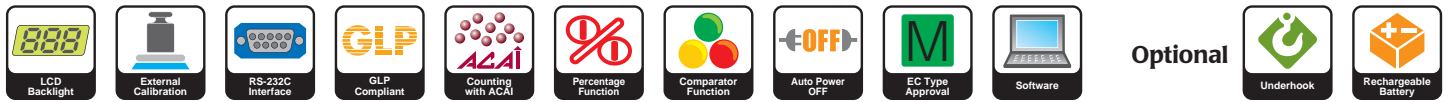
- Wide selection of 16 different models 30g ~ 12kg
- Large LCD display (16mm height) with backlight – easy to read even at a wide viewing angle or dark environment
- Control zero, mode selection and data output with standard RS-232C
- Triple range weighing for EW-i series
- 9 built-in weighing units 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



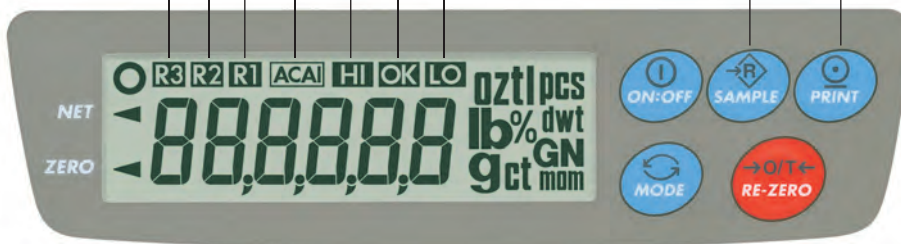
**WEIGHING RANGE**  
(EW-i series only)  
Triple range indication

**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

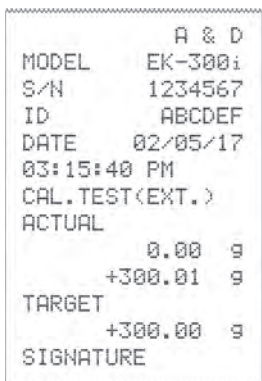


**Multi weighing units**

- |                          |                     |
|--------------------------|---------------------|
| <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-120i	EK-200i	EK-300i	EK-410i	EK-610i	EK-600i	EK-1200i	EK-2000i	EK-3000i	EK-4100i	EK-6100i	
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)	77.16 x 0.01	128.60 x 0.01	192.90 x 0.01	257.21 x 0.01	385.81 x 0.01	385.8 x 0.1	771.6 x 0.1	1286.0 x 0.1	1929.0 x 0.1	2572.1 x 0.1	3858.1 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)(t)	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					
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min. 100% weight	1g					10g					
Linearity	±0.01g		±0.02g			±0.1g			±0.2g			
Repeatability/Std.Dev.	0.01g					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											

	EK-6000i	EK-12Ki	EW-150i			EW-1500i			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 Ounce(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 0.01	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)(t)	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		
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min. 100% weight	100g		1g			10g			100g		
Linearity	±1g		±0.01g	±0.02g	±0.05g	±0.1g	±0.2g	±0.5g	±1g	±2g	±5g	
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-4100i/6100i/6000i/12Ki, EW-12Ki only)
- EKW-09i\*** Rechargeable Battery Pack (Ni-MH)
- EKW-12i** Carrying Case

\* EKW-04i and EKW-09i cannot be used simultaneously. Select one of them.

## 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.)



**A&D** ...Clearly a Better Value

### A&D Company, Limited

3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 JAPAN  
Telephone: [81](3) 5391-6132 Fax: [81](3) 5391-6148  
http://www.aandd.jp

### A&D ENGINEERING, INC.

1756 Automation Parkway, San Jose, CA 95131 U.S.A.  
Telephone: [1](408) 263-5333 Fax: [1](408) 263-0119

### A&D MERCURY PTY. LTD.

32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA  
Telephone: [61](8) 8301-8100 Fax: [61](8) 8352-7409

### A&D INSTRUMENTS LTD.

Unit 24/26 Blacklands Way Abingdon Business Park,  
Abingdon, Oxon OX14 1DY UNITED KINGDOM  
Telephone: [44](1235) 550420 Fax: [44](1235) 550485

### <German Sales Office>

Große Straße 13 b 22926 Ahrensburg GERMANY  
Telephone: [49](0) 4102 459230 Fax: [49](0) 4102 459231

### A&D KOREA Limited

Manhattan Bldg. 8F, 36-2 Yoido-dong, Youngdeungpo-gu, Seoul, KOREA  
Telephone: [82](2) 780-4101 Fax: [82](2) 782-4280

### A&D RUS CO., LTD.

Vereyskaya str. 112 Kuntsevo Block, 121357,  
Moscow, RUSSIA  
Telephone: [7] (495) 937-33-44 Fax: [7] (495) 937-55-66

### A&D Instruments India Private Limited

509 Udyog Vihar Phase V,  
Gurgaon-122 016, Haryana, INDIA  
Telephone: [91](124) 471-5555 Fax: [91](124) 471-5599