



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 application

High resolution up to 1/60,000! (EK-610i, EW-12Ki)

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



- Wide selection of 16 different models 30g ~ 12kg
- Large LCD display (16mm height) with back light – 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, light weight, 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

EW-i



ions from a wider selection.

EK-6100i)

and housing.
have been designed to continue
uses of weighing.
countries (e.g. NTEP, EC).



EK-i

WEIGHING RANGE

(EW-i series only)
Triple range indication

ACAI

Automatic Counting
Accuracy Improvement

HI/OK/LO

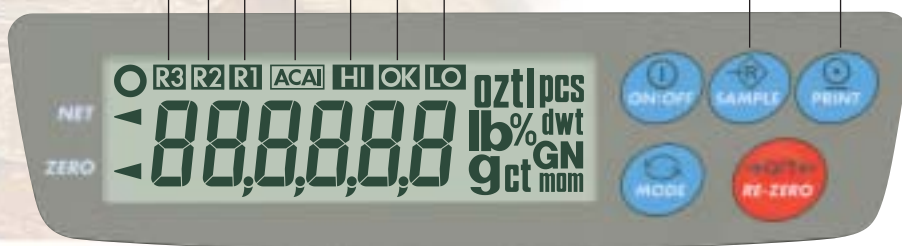
Comparator Annunciator

SAMPLE

Register a sample count or
100% in percentage

PRINT

Transmit data to printer
or computer



Multi weighing units

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

GLP

Balance I.D. number allows
calibration output verification

	A & D
MODEL	EK-300i
S/N	1234567
ID	ABCDEF
DATE	02/05/17
	03:15:40 PM
	CAL. TEST (EXT.)
ACTUAL	
	0.00 g
	+300.01 g
TARGET	
	+300.00 g
SIGNATURE	

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)	7716 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	7716 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)	18518 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				±0.1g				10g		±0.2g
	Repeatability/Std.Dev.	±0.01g				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 0.1	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	7716 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-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-8118B Universal Printer
- AD-8524B Keyboard Adapter
- AD-8920 External Display
- AX-3005824-5S Protective Cover (5pcs.)



AD-8920

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.
1555 McCandless Drive, Milpitas, CA. 95035 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