



For Good Measure!

Compact Balances

EK-i

EW-i

Series



***Taking Weighing Precision
and Protection to New Heights***

Compact Balances

EK-i *EW-i* Series

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 their tradition with enhanced capacities and resolutions, and EW-i series comes with attractive triple ranges of weighing.



- 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



EK-i

WEIGHING RANGE

(EW-i series only)
Triple range indication

ACAI

Automatic Counting
Accuracy Improvement

HI/OK/LO

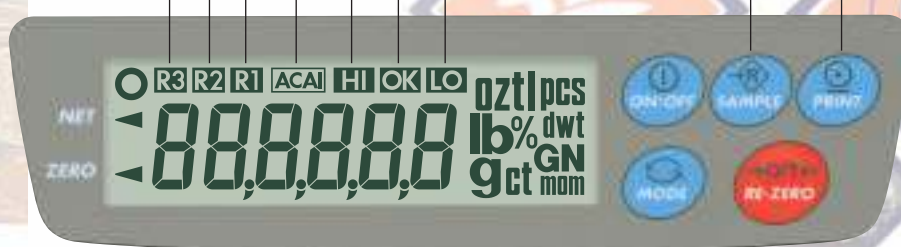
Comparator Annunciator

SAMPLE

Register a sample count or
100% in percentage

PRINT

Transmit data to printer
or computer



Multi weighing units

oz	— Ounce (av)	g ct	— Gram
ozt	— Troy ounce	mo	— Carat
tl	— Tael	m	— Momme
lb	— Pound (av)	pcs	— Pieces
G	— Grain unit	%	— Percent
N	— Pennyweight		
dwt			
t			

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
TARGET	+300.01 g
	+300.00 g
SIGNATURE	

Options & Accessories

Matrix Compact Printer

*AD-8121B

Optional Ni-MH Pack

*EKW-09i

Carrying Case

*EKW-12i

For complete portability and use
in areas with power problems



EK-i/EW-i Series Specifications

		EK-120 <i>i</i>	EK-200 <i>i</i>	EK-300 <i>i</i>	EK-410 <i>i</i>	EK-610 <i>i</i>	EK-600 <i>i</i>	EK-1200 <i>i</i>	EK-2000 <i>i</i>	EK-3000 <i>i</i>	EK-4100 <i>i</i>	EK-6100 <i>i</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	4.2720 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	6.3600 x 0.0005	9.5400 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 (c t)		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	60,000pcs	
	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-6000 <i>i</i>	EK-12K <i>i</i>	EW-150 <i>i</i>			EW-1500 <i>i</i>			EW-12K <i>i</i>		
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	7715 x 5
Carat (c t)		—	—	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		
	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	15 0 g			15 00g			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-04 i * Comparator/Relay Output
- EKW-07 i Underhook (for EK-4100i/6100i/6000i/12Ki, EW-12Ki only)
- EKW-09 i * Rechargeable Battery Pack (Ni-MH)
- EKW-12 i 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-3005824-5SProtective Cover (5pcs.)



AD-8920



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