

by **AND**
A&D MERCURY PTY LTD



EW-i



EK-i

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

DESCRIPTION

A wider selection of capacities and 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 Series Compact Balances have been designed to continue their tradition with enhanced capacities and resolutions, and the EW-i Series Compact Balances come with attractive triple ranges of weighing.

All models feature RS-232C as standard and are designed to meet weights and measures regulations of various countries (e.g. NTEP, EC).

FEATURES

- 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 Sata Output with Standard RS-232C
- Triple Range Weighing for EW- i Series
- 9 Built-In Weighing Units Plus Counting and 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

DISPLAY FEATURES

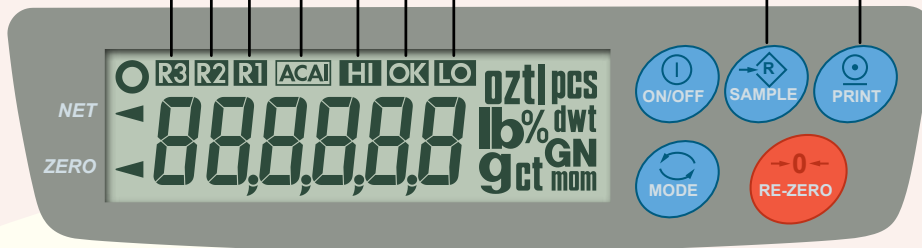
WEIGHING RANGE
(EW-*i* Series Only)
Triple Range Indication

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

SPECIFICATIONS

MODEL	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)(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				
	No. of Samples	5, 10, 25, 50 or 100 Pieces									
Percent Mode	Min. Division	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)										
Display Type	7-Segment LCD with Backlight (Character Height 16mm)										
Display Refresh	10 Times per Second										
Pan size (W) x (D)	Ø110mm					133mm x 170mm					
Physical Dimensions	190mm(W) x 218mm(D) x 55mm(H)					190mm(W) x 218mm(D) x 53mm(H)					
Admissible Ambient Temperature	-10°C~40°C, Less Than 85% R.H. (Non-Condensing)										
Weight (approx.)	1.1kg					1.5kg					
Calibration Mass	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										

GLP

Balance I.D. number allows calibration output verification

A & D
 MODEL EK-300i
 S/N 1234567
 ID ABCDEF
 DATE 02/05/11
 03:15:40 PM
 CAL.TEST(EXT.)
 ACTUAL
 0.00 g
 +300.01 g
 TARGET
 +300.00 g
 SIGNATURE



**OPTION EKW-09i
Ni-MH RECHARGEABLE
BATTERY**



**OPTION EKW-12i
CARRY CASE**

SPECIFICATIONS

MODEL		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	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		
	No. of Samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. Division	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)										
Display Type		7-Segment LCD with Backlight (Character Height 16mm)										
Display Refresh		10 Times per Second										
Pan size (W) x (D)		133mm x 170mm		Ø110mm			133mm x 170mm					
Physical Dimensions		190mm(W) x 218mm(D) x 53mm(H)		190mm(W) x 218mm(D) x 55mm(H)			190mm(W) x 218mm(D) x 53mm(H)					
Admissible Ambient Temperature		-10°C~40°C, Less Than 85% R.H. (Non-Condensing)										
Weight (approx.)		1.5kg					1.5kg					
Calibration Mass		6000g	12kg	150g			1500g			12kg		
Power		AC Adapter or Ni-MH Battery Pack (Option)										
Standard Accessories		Manual, AC Adapter										

OPTIONS

- EKW-04i¹ Comparator/Relay Output
 EKW-07i Underhook (for EK-4100i/6100i/6000i/12Ki, EW-12Ki Only)
 EKW-09i¹ Rechargeable Battery Pack (Ni-MH)
 EKW-12i Carrying Case

¹ EKW-04i and EKW-09i cannot be used simultaneously. Select one of them.

PERIPHERALS

- AD-8121B: Dot Matrix Compact Printer
 AD-8118B: Universal Printer
 AD-8524B: Keyboard Adaptor
 AD-8920: External Remote Display
 AX-3005824-5S: Protective Cover (5-Pieces)



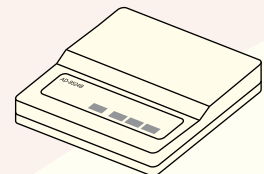
AD-8121B PRINTER



AD-8118B PRINTER



AD-8920 DISPLAY



AD-8524B
KEYBOARD ADAPTOR

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