

250

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**EVEREST™ SERIES**

For years the EK/EW models have been popular compact balances for a wide variety of applications. Now the new Everest Compact Balances have been designed to carry on their tradition with enhanced capacities and resolutions, and EW-i models come with attractive triple ranges of weighing. New electronics, wider selection of capacities & resolutions, and remote-zeroing have been included in a low-profile rugged housing. All feature RS-232C standard and are designed to meet Weights and Measures regulations for various countries. (e.g. NTEP, CE)



- Large LCD display (16mm height) with back light – Easy to read even at a wide viewing angle or dark environment

- Wide selection from 16 different models 30g ~ 12kg



- Control zero, mode selection and data output with standard RS-232C



- Triple range weighing for EW-i Models
- 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 minimal 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 and EW-12Ki

- Leveling feet and level bubble for accurate weighing

- Security ring to prevent theft



	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	
	-----

**GLP**

Balance I.D. number allows calibration output verification



# ROCK SOLID PERFORMANCE

## OPTIONS & ACCESSORIES

### Multi-Function Printer

AD-8121B

With time/date and statistics



### External Display

AD-8920



### Rechargeable Battery

EKW-09i

For complete portability and use in areas with power problems



### Carrying Case

CC:106



### Weighing Range

(EW-I series only)

Triple range indication

### ACAI

Automatic Counting Accuracy Improvement

### HI/OK/LO

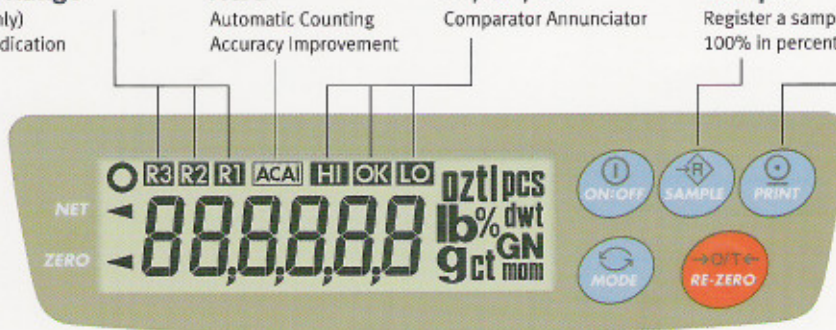
Comparator Annunciator

### 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 |                     |

# Everest 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)	120x0.01	200x0.01	300x0.01	400x0.01	600x0.01	600x0.1	1200x0.1	2000x0.1	3000x0.1	4000x0.1	6000x0.1	
Decimal Ounce (av) (oz)	4.2330x0.0005	7.0550x0.0005	10.5820x0.0005	14.110x0.001	21.164x0.001	21.165x0.005	42.330x0.005	70.550x0.005	105.820x0.005	141.10x0.01	211.64x0.01	
Decimal Pound (av) (lb)	—	—	—	0.8818x0.0001	1.3228x0.0001	1.3230x0.0005	2.6455x0.0005	4.4090x0.0005	6.6140x0.0005	8.818x0.001	13.228x0.001	
Troy Ounce (ozt)	3.8580x0.0005	6.4300x0.0005	9.6450x0.0005	12.860x0.001	19.290x0.001	19.290x0.005	38.580x0.005	64.300x0.005	96.450x0.005	128.60x0.01	192.90x0.01	
Pennyweight (dwt)	77.16x0.01	128.60x0.01	192.90x0.01	257.21x0.01	385.81x0.01	385.8x0.1	771.6x0.1	1286.0x0.1	1929.0x0.1	2572.1x0.1	3858.1x0.1	
Carat (ct)	600.00x0.05	1000.00x0.05	1500.00x0.05	2000.0x0.1	3000.0x0.1	3000.0x0.5	6000.0x0.5	10000.0x0.5	15000.0x0.5	20000x1	30000x1	
Momme (mom)	32.000x0.005	53.335x0.005	80.000x0.005	106.665x0.005	160.000x0.005	160.000x0.05	320.000x0.05	533.35x0.05	800.000x0.05	1066.65x0.05	1600.000x0.05	
Grain Unit (GN)	1851.8x0.2	3086.4x0.2	4629.8x0.2	6173.0x0.2	9259.4x0.2	9260x2	18518x2	30864x2	46298x2	61730x2	92594x2	
Tael (H.K General) (t)	3.1745x0.0005	5.2910x0.0005	7.9365x0.0005	10.5820x0.0005	15.8735x0.0005	15.875x0.005	31.745x0.005	52.910x0.005	79.365x0.005	105.820x0.005	158.735x0.005	
Counting Mode	Max. count	12,000 pcs	20,000 pcs	30,000 pcs	40,000 pcs	60,000 pcs	6,000 pcs	12,000 pcs	20,000 pcs	30,000 pcs	40,000 pcs	
	Min. unit weight	0.01 g					0.1 g					
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min.100% weight	1 g					10 g					
Linearity	±0.01 g		±0.02 g			±0.1 g			±0.2 g			
Repeatability/Std.Dev.	0.01 g					0.1 g						
Sensitivity Drift	20ppm / C(10C-30C / 50F-86F)											
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	-10C-40C / 14F-104F, less than 85% R.H. (non-condensing)											
Weight (approx.)	1.1 kg					1.3 kg			1.5 kg			
Calibration Mass (default setting)	120 g	200 g	300 g	400 g	600 g	600 g	- 1200 g	2000 g	3000 g	4000 g	6000 g	
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)	6000x1	12000x1	30x0.01	60x0.02	150x0.05	300x0.1	600x0.2	1500x0.5	3000x1	6000x2	12000x5	
Decimal Ounce (av) (oz)	211.65x0.05	423.30x0.05	1.0580x0.0005	2.116x0.001	5.292x0.002	10.580x0.005	21.16x0.01	52.92x0.02	105.80x0.05	211.6x0.1	423.2x0.2	
Decimal Pound (av) (lb)	13.230x0.005	26.455x0.005	—	—	—	0.6615x0.0005	1.323x0.001	3.306x0.002	6.615x0.005	13.23x0.01	26.46x0.02	
Troy Ounce (ozt)	192.90x0.05	385.80x0.05	0.9645x0.0005	1.929x0.001	4.822x0.002	9.645x0.005	19.29x0.01	48.22x0.02	96.45x0.05	192.9x0.1	385.8x0.2	
Pennyweight (dwt)	3858x1	7716x1	19.29x0.01	38.58x0.02	96.45x0.05	192.9x0.1	385.8x0.2	964.5x0.5	1929x1	3858x2	7715x5	
Carat (ct)	—	—	150.00x0.05	300.0x0.1	750.0x0.2	1500.0x0.5	3000x1	7500x2	—	—	—	
Momme (mom)	1600.0x0.5	3200.0x0.5	8.000x0.005	16.000x0.01	40.000x0.02	80.000x0.05	160.0x0.1	400x0.2	800x0.5	1600x1	3200x2	
Grain Unit (GN)	—	—	463.0x0.2	926.0x0.5	2315x1	4630x2	9260x5	23150x10	—	—	—	
Tael (H.K General) (t)	158.75x0.05	317.45x0.05	0.7935x0.0005	1.587x0.001	3.968x0.002	7.935x0.005	15.87x0.01	39.68x0.02	79.35x0.05	158.7x0.1	317.4x0.2	
Counting Mode	Max. count	6,000 pcs	12,000 pcs	15,000 pcs			15,000 pcs			12,000 pcs		
	Min. unit weight	1 g		0.01 g			0.1 g			1 g		
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min.100% weight	100 g		1 g			10 g			100 g		
Linearity	±1 g		±0.01 g	±0.02 g	±0.05 g	±0.1 g	±0.2 g	±0.5 g	±1 g	±2 g	±5 g	
Repeatability / Std.Dev.	1 g		0.01 g	0.02 g	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g	5 g	
Sensitivity Drift	20ppm / C(10C-30C / 50F-86F)											
Display Type	7 segment LCD with backlight (character height 16mm)											
Display Refresh	10 times / second											
Pan size (W) x (D)	133 x 170 mm / 5.2 x 6.7 inches		Ø110mm / 4.3inches			133x170 mm / 5.2x6.7 inches						
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	-10C-40C / 14F-104F, less than 85% R.H. (non-condensing)											
Weight (approx.)	1.5 kg		1.1 kg			1.5 kg			1.5 kg			
Calibration Mass (default setting)	6000 g	12 kg	150 g			1500 g			12 kg			
Power	AC adapter or Ni-MH battery pack (option)											
Standard Accessories	Manual, AC adapter											

Specifications are subject to change for improvement without notice.

## Options

- EKW-04i★ Comparator/Relay Output
- EKW-07i Underhook (for EK-4100i/6100i/6000i/12Ki, EW-12Ki only)
- EKW-09i★ Rechargeable Battery Pack (Ni-MH)
- CC-106 Carrying Case

## Accessories

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

- ★ EKW-04i and EKW-09i cannot be used simultaneously.
- ★ EKW-29i and EKW-09i cannot be used simultaneously.



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LIT:EK/W-I 02/05

# Everest 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)	120x0.01	200x0.01	300x0.01	400x0.01	600x0.01	600x0.1	1200x0.1	2000x0.1	3000x0.1	4000x0.1	6000x0.1	
Decimal Ounce (av) (oz)	4.2330x0.0005	7.0550x0.0005	10.5820x0.0005	14.110x0.001	21.164x0.001	21.165x0.005	42.330x0.005	70.550x0.005	105.820x0.005	141.10x0.01	211.64x0.01	
Decimal Pound (av) (lb)	—	—	—	0.8818x0.0001	1.3228x0.0001	1.3230x0.0005	2.6455x0.0005	4.4090x0.0005	6.6140x0.0005	8.818x0.001	13.228x0.001	
Troy Ounce (ozt)	3.8580x0.0005	6.4300x0.0005	9.6450x0.0005	12.860x0.001	19.290x0.001	19.290x0.005	38.580x0.005	64.300x0.005	96.450x0.005	128.60x0.01	192.90x0.01	
Pennyweight (dwt)	77.16x0.01	128.60x0.01	192.90x0.01	257.21x0.01	385.81x0.01	385.8x0.1	771.6x0.1	1286.0x0.1	1929.0x0.1	2572.1x0.1	3858.1x0.1	
Carat (ct)	600.00x0.05	1000.00x0.05	1500.00x0.05	2000.0x0.1	3000.0x0.1	3000.0x0.5	6000.0x0.5	10000.0x0.5	15000.0x0.5	20000x1	30000x1	
Momme (mom)	32.000x0.005	53.335x0.005	80.000x0.005	106.665x0.005	160.000x0.005	160.000x0.05	320.00x0.05	533.35x0.05	800.00x0.05	1066.65x0.05	1600.00x0.05	
Grain Unit (GN)	1851.8x0.2	3086.4x0.2	4629.8x0.2	6173.0x0.2	9259.4x0.2	9260x2	18518x2	30864x2	46298x2	61730x2	92594x2	
Tael (H.K General) (t)	3.1745x0.0005	5.2910x0.0005	7.9365x0.0005	10.5820x0.0005	15.8735x0.0005	15.875x0.005	31.745x0.005	52.910x0.005	79.365x0.005	105.820x0.005	158.735x0.005	
Counting Mode	Max. count	12,000 pcs	20,000 pcs	30,000 pcs	40,000 pcs	60,000 pcs	6,000 pcs	12,000 pcs	20,000 pcs	30,000 pcs	40,000 pcs	
	Min. unit weight	0.01 g					0.1 g					
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min.100% weight	1 g					10 g					
Linearity	±0.01 g		±0.02 g			±0.1 g					±0.2 g	
Repeatability/Std.Dev.	0.01 g					0.1 g						
Sensitivity Drift	20ppm / C(10C-30C / 50F-86F)											
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	-10C-40C / 14F-104F, less than 85% R.H. (non-condensing)											
Weight (approx.)	1.1 kg					1.3 kg		1.5 kg				
Calibration Mass (default setting)	120 g	200 g	300 g	400 g	600 g	600 g	- 1200 g	2000 g	3000 g	4000 g	6000 g	
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)	6000x1	12000x1	30x0.01	60x0.02	150x0.05	300x0.1	600x0.2	1500x0.5	3000x1	6000x2	12000x5	
Decimal Ounce (av) (oz)	211.65x0.05	423.30x0.05	1.0580x0.0005	2.116x0.001	5.292x0.002	10.580x0.005	21.16x0.01	52.92x0.02	105.80x0.05	211.6x0.1	423.2x0.2	
Decimal Pound (av) (lb)	13.230x0.005	26.455x0.005	—	—	—	0.6615x0.0005	1.323x0.001	3.306x0.002	6.615x0.005	13.23x0.01	26.46x0.02	
Troy Ounce (ozt)	192.90x0.01	385.80x0.05	0.9645x0.0005	1.929x0.001	4.822x0.002	9.645x0.005	19.29x0.01	48.22x0.02	96.45x0.05	192.9x0.1	385.8x0.2	
Pennyweight (dwt)	3858x1	7716x1	19.29x0.01	38.58x0.02	96.45x0.05	192.9x0.1	385.8x0.2	964.5x0.5	1929x1	3858x2	7715x5	
Carat (ct)	—	—	150.00x0.01	300.0x0.1	750.0x0.2	1500.0x0.5	3000x1	7500x2	—	—	—	
Momme (mom)	1600.0x0.5	3200.0x0.5	8.000x0.005	16.000x0.01	40.000x0.02	80.000x0.05	160.0x0.1	400x0.2	800x0.5	1600x1	3200x2	
Grain Unit (GN)	—	—	463.0x0.2	926.0x0.5	2315x1	4630x2	9260x5	23150x10	—	—	—	
Tael (H.K General) (t)	158.75x0.05	317.45x0.05	0.7935x0.0005	1.587x0.001	3.968x0.002	7.935x0.005	15.87x0.01	39.68x0.02	79.35x0.05	158.7x0.1	317.4x0.2	
Counting Mode	Max. count	6,000 pcs	12,000 pcs	15,000 pcs			15,000 pcs			12,000 pcs		
	Min. unit weight	1 g		0.01 g			0.1 g			1 g		
	No. of samples	5, 10, 25, 50 or 100 pieces										
Percent Mode	Min. div.	0.1%										
	Min.100% weight	100 g		1 g			10 g			100 g		
Linearity	±1 g	±0.01 g	±0.02 g	±0.05 g	±0.1 g	±0.2 g	±0.5 g	±1 g	±2 g	±5 g		
Repeatability / Std.Dev.	1 g	0.01 g	0.02 g	0.05 g	0.1 g	0.2 g	0.5 g	1 g	2 g	5 g		
Sensitivity Drift	20ppm / C(10C-30C / 50F-86F)											
Display Type	7 segment LCD with backlight (character height 16mm)											
Display Refresh	10 times / second											
Pan size (W) x (D)	133 x 170 mm / 5.2 x 6.7 inches		Ø110mm / 4.3inches			133x170 mm / 5.2x6.7 inches						
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	-10C-40C / 14F-104F, less than 85% R.H. (non-condensing)											
Weight (approx.)	1.5 kg		1.1 kg			1.5 kg			1.5 kg			
Calibration Mass (default setting)	6000 g	12 kg	150 g			1500 g			12 kg			
Power	AC adapter or Ni-MH battery pack (option)											
Standard Accessories	Manual, AC adapter											

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## Options

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