

EVEREST Series

Compact Balances



16 Models with
6 NTEP Certified Models

250

COMPACT BALANCES

For more than a decade, Everest Series balances have proven themselves in the laboratory, factory floor and classroom. With its sleek, low-profile rugged design and all-metal housing the EK-i and EW-i have provided users rock-solid reliability for years.

Standard features such as remote-zeroing and serial connectivity as well as auto-ranging make them as easy to use as they are reliable. 6 models are legal-for-trade, including the tool relied upon by cash-for-gold and jewelry professionals who put their trust in the EK-i and EW-i Series balance.



- 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

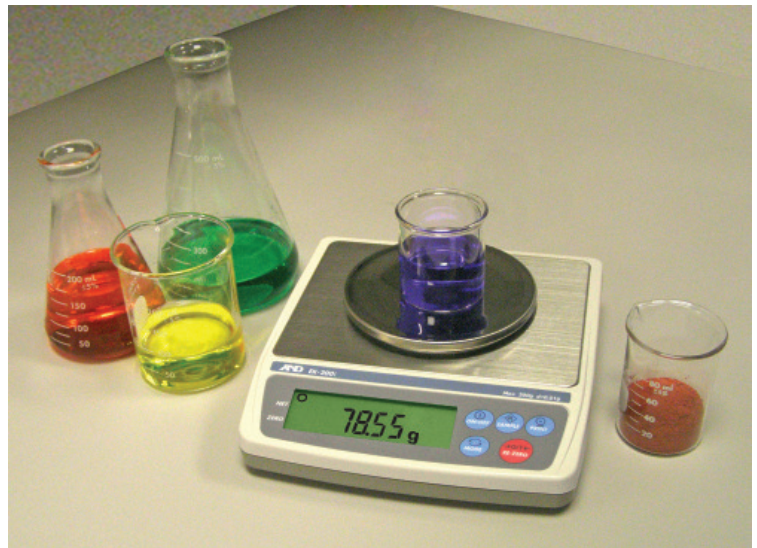
- Easy to install rechargeable Ni-MH battery (optional)



- 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



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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



EVEREST SERIES

Options & Accessories

Multi-Function Printer

AD-8121B

With time/date and statistics



External Display

AD-8920A



Rechargeable Battery

EKW-09i

Complete portability: for use when AC power is not available



Carrying Case

EJ-12



Weighing Range

(EW-i series only)
Triple range indication

ACAI

Automatic Counting
Accuracy Improvement

HI/OK/LO

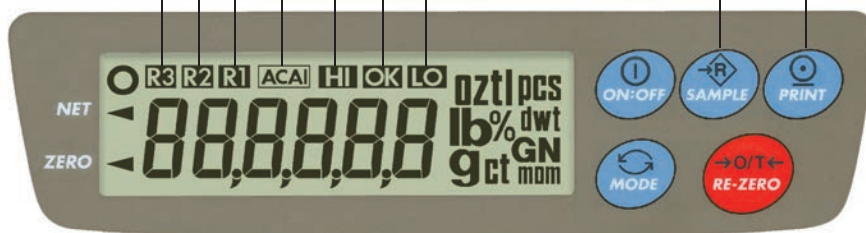
Comparator Annunciator

Sample

Register a sample count or
100% in percentage

Print

Transmit data to printer
or computer



Units of Measure

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	

EVEREST SERIES 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)	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	20000x0.1	30000x1	
Momme (mom)	32.000x0.005	53.335x0.005	80.000x0.005	106.665x0.005	160.000x0.005	160.00x0.05	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) (tl)	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	60,000 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	1 0 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											

*Note: NTEP Certified

Model	EK-6000i*	EK-12Ki*	EW-150i			EW-1500i*			EW-12Ki*			
Gram (g)	6000x1	12000x1	30x0.01	30x0.01	30x0.01	300x0.1	600x0.2	1500x0.5	3000x1	6000x2	12000x5	
Decimal Ounce (av) (oz)	211.65x0.05	423.30x0.05	1.0580x0.0005	1.0580x0.0005	1.0580x0.0005	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	0.9645x0.0005	0.9645x0.0005	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	19.29x0.01	19.29x0.01	192.9x0.1	385.8x0.2	964.5x0.5	1929x1	3858x2	7715x5	
Carat (ct)	—	—	150.00x0.05	150.00x0.05	150.00x0.05	1500.0x0.5	3000x1	7500x2	—	—	—	
Momme (mom)	1600.0x0.5	3200.0x0.5	8.000x0.005	8.000x0.005	8.000x0.005	80.00x0.05	160.0x0.1	400x0.2	800x0.5	1600x1	3200x2	
Grain Unit (GN)	—	—	463.0x0.2	463.0x0.2	463.0x0.2	4630x2	9260x5	23150x10	—	—	—	
Tael (H.K General) (tl)	158.75x0.05	317.45x0.05	0.7935x0.0005	0.7935x0.0005	0.7935x0.0005	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											

*Note: NTEP Certified



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