

ROCK SOLID BALANCES



EVEREST™ SERIES

250

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

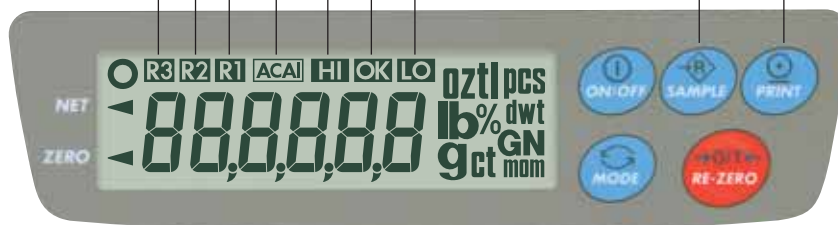
Comparator Annunciator

Sample

Register a sample count or
100% in percentage

Print

Transmit data to printer
or computer



Multi weighing units

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

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 | 160.00x0.05 | 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 | 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 | 300.00x0.1 | 750.00x0.2 | 1500.00x0.5 | 3000x1 | 7500x2 | — | — | — | |
| Momme (mom) | 1600.0x0.5 | 3200.0x0.5 | 8.000x0.005 | 16.00x0.01 | 40.00x0.02 | 80.00x0.05 | 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) (tl) | 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 | | | | | | | | | | | |

* Legal for Trade.

Specifications subject to change without notice.

Options

- EKW-04i★ Comparator/Relay Output
- EKW-07i Underhook (for EK-4100i/6100i/6000i/12Ki, EW-12Ki only)
(underhook may not be used in legal for trade applications)
- EKW-09i★ Rechargeable Battery Pack (Ni-MH)
- EJ-12 Carrying Case

Accessories

- AD-8121B Dot Matrix Compact Printer
- AD-8118B Universal Printer
- AD-8920 External Display
- AX-3005824-55 Protective Cover (5pcs.)
- ★ EKW-04i and EKW-09i cannot be used simultaneously.
- ★ EKW-29i and EKW-09i cannot be used simultaneously.

