



Compact Balances

***EK-i***  

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***EW-i***  
Series



*EK-i*



*EW-i*



**AND** ...Clearly a Better Value  
A&D Company, Limited  
<http://www.aandd.jp>

# Choose the best for your weighing application

## High resolution up to 1/60,000! (EK-610i, EW-12Ki)

A wider selection of capacities & resolutions, and remote-zeroing has been included in a low-profile rugged design. For years the EK/EW series balances have been top selling products. Now the new EK-i Compact Balances continue their tradition with enhanced capacities and resolutions, and EW-i series comes with attractive triple range weighing. All feature RS-232C as standard and are designed to meet weights and measures regulations of various countries.



- 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



ions from a wider selection.

# EK-6100i)

and housing.  
 have been designed to continue  
 es of weighing.  
 untries (e.g. NTEP, EC).



# EK-i

## WEIGHING RANGE

(EW-i series only)  
 Triple range indication

## ACAI

Automatic Counting  
 Accuracy Improvement

## HI/OK/LO

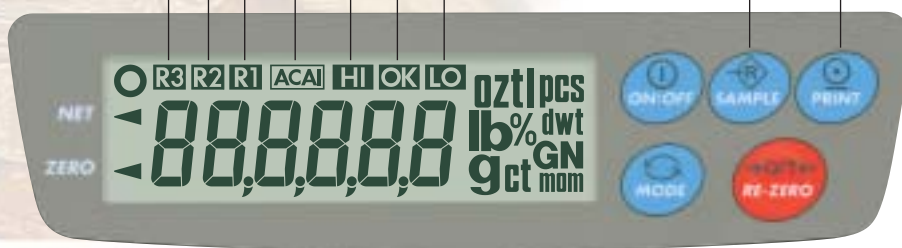
Comparator Annunciator

## SAMPLE

Register a sample count or  
 100% in percentage

## PRINT

Transmit data to printer  
 or computer

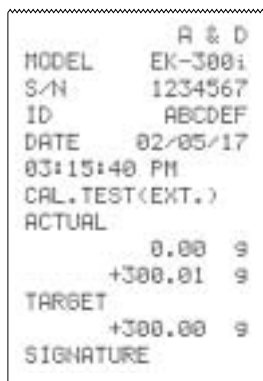


### Multi weighing units

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

## GLP

Balance I.D. number allows  
 calibration output verification



## Options & Accessories

### Dot Matrix Compact Printer

\*AD-8121B



### Optional Ni-MH Pack

\*EKW-09i

For complete portability and use  
 in areas with power problems



### Carrying Case

\*EKW-12i



# EK-i/EW-i Series 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)                            | 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)                   | 7716 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     | 7716 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)                     | 18518 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                          |                 |                 |                 |                 |       |
| Percent Mode                       | No. of samples   | 5, 10, 25, 50 or 100 pieces                                  |                  |                  |                  |                 |                               |                 |                 |                 |                 |       |
|                                    | Min. div.        | 0.1%   |                  |                  |                  |                 |                               |                 |                 |                 |                 |       |
| Linearity                          | Min.100% weight  | 1g   |                  |                  |                  |                 | 10g                           |                 |                 |                 |                 |       |
|                                    |                  | ±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-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     | 7716 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           |              |  |
| Percent Mode                       | No. of samples   | 5, 10, 25, 50 or 100 pieces                                  |                 |               |                          |                 |               |                               |               |              |              |  |
|                                    | Min. div.        | 0.1%   |                 |               |                          |                 |               |                               |               |              |              |  |
| Linearity                          | Min.100% weight  | 100g   |                 | 1g            |                          |                 | 10g           |                               |               | 100g         |              |  |
|                                    |                  | ±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            | 150g          |                          |                 | 1500g         |                               |               | 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-04i\*** Comparator/Relay Output
- EKW-07i** Underhook (for EK-4100i/6100i/6000i/12Ki, EW-12Ki only)
- EKW-09i\*** Rechargeable Battery Pack (Ni-MH)
- EKW-12i** 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-3005824-5S** Protective Cover (5pcs.)



AD-8920

**A&D** ...Clearly a Better Value

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