



Compact Balances

EK-i

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
uses of weighing.
countries (e.g. NTEP, EC).



EK-i

WEIGHING RANGE

(EW-i series only)
Triple range indication

ACAI

Automatic Counting
Accuracy Improvement

HI/OK/LO

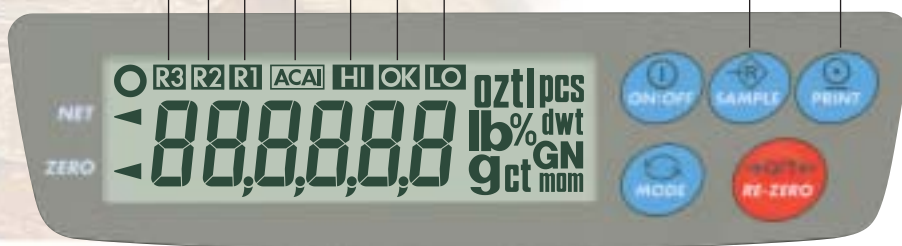
Comparator Annunciator

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

| | |
|-----------|------------------|
| | 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 | |

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 | | | | ±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 | | |
| | 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

AND ...Clearly a Better Value

FB Australian distributors:
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web: www.fisherbiotech.com