

Intrinsically Safe Compact Balances

EK-EP

Series



EK-3000EP

For precise weight measurement in potentially explosive atmospheres



EK-300EP

IECEX: Ex ia IIB T3 Ga
ATEX: II 1G Ex ia IIB T3 Ga
FM/FMc (NEC505): AEx / Ex ia IIB T3
FM/FMc (NEC500): IS / I / 1 / C,D / T3C



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



Features

- ✓ Compact, lightweight and extremely affordable while providing excellent explosion protection
- ✓ Battery operation*1 (approx. 250 hours) for high portability, requiring no power supply from a safe area via a safety barrier
- ✓ Auto power OFF function to save battery power
- ✓ Easy-to-read LCD display with backlight (16 mm character height)
- ✓ Hygienic and chemically resistant stainless steel (SUS304) weighing pan
- ✓ Multiple weighing units: g, oz, lb, ozt, ct, mom, dwt, gr, N, in addition to pcs (counting mode), % (percent mode) and SG (specific gravity)*2
- ✓ Comparator function for faster and more accurate filling, packing, sorting, etc.
- ✓ Adjustable response characteristics depending on the degree of drafts and vibrations at the location
- ✓ Security ring for wire-locking the balance to prevent theft

*1 Only to be used with four DURACELL AA alkaline MN1500 LR6, ENERGIZER AA E91 alkaline LR6 AM3, or Panasonic AA alkaline LR6 (XJ) 1.5V batteries.

*2 Either tl (tael) or tol (tola) can be added upon request.



Specifications

		EK-300EP	EK-3000EP	EK-12KEP
Weighing capacity		300 g	3000 g	12 kg
Minimum weighing value		0.01 g	0.1 g	1 g
Repeatability (standard deviation)		0.01 g	0.1 g	1 g
Linearity		±0.02 g	±0.2 g	±1 g
Sensitivity drift		±20 ppm/°C (10 to 30°C/50 to 86°F)		
Counting mode	Min. unit weight*3	0.01 g	0.1 g	1 g
	No. of samples	5, 10, 25, 50 or 100 pieces		
Percent mode	Min. % display	0.1%		
	Min. 100% weight	1 g	10 g	100 g
Operating temperature and humidity		0 to 40°C/32 to 104°F, 85% RH or less (no condensation)		
Battery life		Approx. 250 hours (with four AA alkaline batteries*1, backlight off)		
Weighing pan size		∅110 mm	133×170 mm	
Net weight		Approx. 1.2 kg	Approx. 1.5 kg	
Calibration weight*3		300 g	3000 g	10 kg

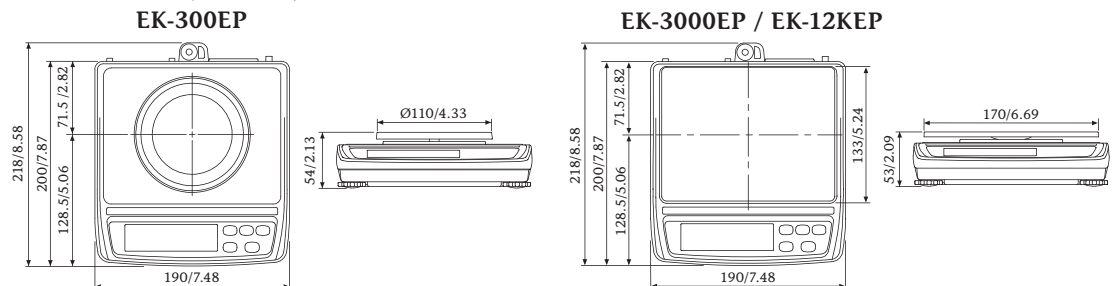
*3 Factory setting

Options

EJ-12 Carrying case



Dimensions (mm/inches)



A&D Company, Limited
3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 JAPAN
Telephone:[81](3) 5391-6132 Fax:[81](3) 5391-6148
<http://www.aandd.jp>

A&D ENGINEERING, INC.
1756 Automation Parkway, San Jose, CA 95131 U.S.A.
Telephone:[1](408) 263-5333 Fax:[1](408) 263-0119

A&D Australasia Pty Ltd.
32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA
Telephone:[61](8) 8301-8100 Fax:[61](8) 8352-7409

A&D INSTRUMENTS LTD.
Unit 24/26 Blacklands Way Abingdon Business Park,
Abingdon, Oxon OX14 1DY UNITED KINGDOM
Telephone:[44](1235) 550420 Fax:[44](1235) 550485

<German Sales Office>
Hamburger Straße 30 D-22926 Ahrensburg GERMANY
Telephone:[49](0) 4102 459230 Fax:[49](0) 4102 459231

A&D KOREA Limited
817, Manhattan Bldg., 33, Gukjegeumyung-ro 6-gil,
Yeongdeungpo-gu, Seoul, 07331, KOREA
Telephone:[82](2) 780-4101 Fax:[82](2) 782-4280

A&D RUS CO., LTD.
Vereyskaya str.17, Moscow, 121357 RUSSIA
Telephone: [7] (495) 937-33-44 Fax: [7] (495) 937-55-66

A&D Instruments India Private Limited
509 Udyog Vihar Phase V
Gurgaon-122 016, Haryana, INDIA
Telephone: [91](124) 471-5555 Fax: [91](124) 471-5599