

Intrinsically Safe Compact Balances

EK-EP

Series

*For precise weight measurement in
potentially explosive atmospheres*



EK-3000EP



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



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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		Ø110 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

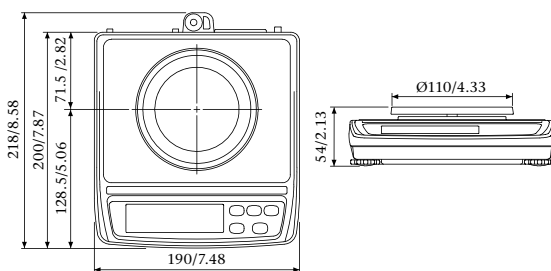
Options

EJ-12 Carrying case



Dimensions (mm/inches)

EK-300EP



EK-3000EP / EK-12KEP

