



AND Weighing MC-30KS Precision Balances - Mass Comparators 31 kg x 0.01 g

Equipped with an internal mass for simplified calibration of the balance. Enhanced function settings reduce errors due to drafts and vibrations.



Manufacture: AND
Weighing

SKU: MC-30KS

Weight: 22.00 lb

Free Ground Shipping
within the 48
continental US States

Please Call
(800)832-0055

Features

It's not easy to find high performance, quality mass comparators that meet your budget, is it? Discover how A&D, an ISO17025 accredited calibration laboratory as well as being a weighing equipment manufacturer, can finally solve such problems for you

Enhanced stabilizing filter - High resolution balances like the MC series can respond to even the slightest environmental disturbances. For smooth and accurate mass comparison, the MC series is equipped with a special stabilizing function that copes with the effect of drafts or vibrations

Simplified calibration of the balance - Using the internal mass, you can ensure the balance accuracy with one key press when changes to the environment (such as temperature or location) take place. The internal mass value can be corrected as necessary.

Various options to minimize possible measurement errors - Even under a perfectly controlled weighing environment, there still remain errors that can arise from operation. The following tools are effective in managing such errors

Auto-centering pan (available for MC-1000/6100/10K/30K) Corrects eccentric loading automatically by bringing the mass to the center.

Precision Balances With Extended Resolution The MC series displays the weighing results with an extra decimal place not normally found in balances of the same capacity. Such extended resolution enables measurements of minute weight changes with heavy objects or containers. Example applications include:

Management of Powders

- Medicines in pharmaceutical manufacturing – from full flow to minute flow
- Discharges (losses in weight) from feeders
- Wear volumes of metallic materials
- Cutting dust (contaminants) left on mechanical parts
- Particles caught by filters

Production Line Weighing

- As precision check-weighing sensors with wider ranges

For management of masses in ASTM Class 2-7 and OIML Class F1 and below

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Model	MC-1000		MC-6100		MC-10K		MC-30K		MC-100K									
Capacity x Readability	1100g x 0.0001g (0.1 mg)		6100g x 0.001g (1 mg)		10.1 kg x 0.001g (1 mg)		31 kg x 0.01 g		101 kg x 0.1 g									
Repeatability (Standard Deviation)*1	0.0005 g / 1 kg		0.004 g / 5 kg		0.005 g / 10 kg		0.015 g / 20 kg		0.2 g (for 100 kg)									
	0.0004 g / 500 g		0.0015 g / 2 kg		0.004 g / 5 kg				0.1 g (for 60 kg)									
Linearity	±0.002 g		±0.02 g		±0.03 g		±0.2 g		±2 g									
Sensitivity drift (10 °C to 30 °C)	±2 ppm / °C						±3 ppm / °C		±6 ppm / °C									
Operating temperature	5 °C to 40 °C (41 °F to 104 °F), 85%RH or less (no condensation)																	
Display refresh rate	5 times / second or 10 times / second																	
Standard interface	RS-232C																	
Display mode	kg, g, oz, lb, lb-oz, Troy oz, carat, momme, dwt, grain																	
Internal calibration	internal calibration																	
Weighing pan (diameter)	128 x 128 mm		165 x 165 mm		270 x 210 mm		270 x 210 mm		386 x 346 mm									
Power consumption	Approx. 11 VA (supplied by the AC adapter)									Approx. 15 VA (supplied by the AC adapter)								
External dimensions	210 (W) x 317 (D) x 86 (H) mm				300 (W) x 355 (D) x 111 (H) mm				Platform: 346 (W) x 443 (D) x 130 (H) mm (Cable length: 3 m)									
Net weight	Approx. 4.6 kg		Approx. 5.1 kg		Approx. 9.3 kg				Approx. 18 kg									
Standard accessories	AC adapter, Instruction manual, Glass breeze break (MC-1000/6100) or Simple breeze break (MC-10K/30K), In-use cover, WinCT (CD-ROM)									AC adapter, Instruction manual, In-use cover, WinCT (CD-ROM)								

Contact US

718-336-5900

Returns

Store Policies

About Us

- Phone: [\(800\)832-0055](tel:(800)832-0055) or [\(718\)336-5900](tel:(718)336-5900)
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