Mass Comparators

MC series

**MC-1000**
1100 g × 0.0001 g

**MC-6100**
6100 g × 0.001 g

**MC-10K**
10.1 kg × 0.001 g

**MC-30K**
31 kg × 0.01 g

**MC-100KS**
101 kg × 0.1 g

New model added!
Are you finding it difficult to find high performance, quality mass comparators that meet your budget? Discover how A&D, an ISO17025 accredited calibration laboratory as well as being a weighing equipment manufacturer, has the solution for you!

1. 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.

2. 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.

3. 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.

**Remote controller (AD-8922A)**
Enables operations without directly touching and consequently shaking the balance.

**Static eliminator (AD-1683)**
Instantly neutralizes charged objects such as the operator’s clothes to ensure stable weighing.
**Recommended Measurement Ranges**

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<th>Model</th>
<th>BM-20</th>
<th>BM-252</th>
<th>BM-500</th>
<th>MC-1000</th>
<th>MC-6100</th>
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*Please refer to the BM series of micro analytical balances for the BM-20, BM-252 and BM-500.*

 Wait, there is more! If you are in the industrial sector, how about using the **MC series as 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 Liquids**
- Resist inks on flat panels (glass)
- Coating materials on silicon wafers
- Moisture contents of catalysts
- Solder pastes and sealing materials on electronic parts
- Resins used for LED lenses
- Surface materials on optical lenses
- Grease in miniature bearings for hard disks

**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
Specifications

Options

For MC-1000/6100
GX-02  Quick USB interface with cable
GX-04  Comparator output with a buzzer/RS-232C/Current loop output
GX-06  Analog output/Current loop output
GX-12  Animal weighing pan
GX-13  Density determination kit (for MC-1000 only)
* 4 Only one of GX-02, GX-04, GX-06 or the standard RS-232C interface can be used.
* 5 Factory-installed options

For MC-10K/30K
GX-04K  Comparator output with a buzzer/RS-232C/Current loop output
GX-06K  Analog output/Current loop output
GX-07K  Waterproof RS-232C cable (25P-9P, 5 m)
GKK-012  Animal weighing pan
GKK-015  Carrying case
* 6 Only one of GX-04K, GX-06K, or the standard RS-232C can be used.
The MC-10K/30K are not IP65 compliant with these options.

For MC-100KS
GP-04  Comparator output with a buzzer/RS-232C/Current loop output
GP-06  Analog output/Current loop output
GP-07  5-meter extension cable
GP-12  Animal weighing pan
GP-21  Underhook
GP-22  AD-8121B printer support
* 7 Only one of GP-04, GP-06 or the standard RS-232C can be used.
* 8 Factory-installed option

Accessories

AD-1602-E2  Calibration masses, OIML class E2
AD-1602-F1  Calibration masses, OIML class F1
AD-1682  Rechargeable battery unit
AD-1683  Static eliminator
AD-1684  Electrostatic fieldmeter
AD-1687  Weighing environment logger
AD-1688  Weighing data logger
AD-1689  Tweezers for calibration mass
AD-1691  Weighing environment analyzer
AD-8121B  Compact printer
AD-8526  Serial/Ethernet converter
AD-8527  Quick USB adapter
AD-8922A  Remote display
AX-MC1000PAN  Auto-centering pan (MC-1000)
AX-MC6100PAN  Auto-centering pan (MC-6100)
AX-MC10K/30K  Auto-centering pan (MC-10K/30K)
AX-SW128  Foot switch
AX-USB-25P  Serial/USB converter

Auto-centering pan

AD-1602

New!

sales@andweighing.com.au
www.andweighing.com.au

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KENSINGTON Victoria 3031
Telephone (03) 9371 1555
Facsimile (03) 9372 1163
New South Wales Office
Unit 1, 14 Abbott Road
SPEREN HILLS New South Wales 2147
Telephone (02) 9674 5466
Facsimile (02) 9674 2544

* 1 Repeatability when the auto-centering pan or an automatic weight loader is used under good environmental conditions.
* 2 Accuracy immediately after internal calibration performed under good environmental conditions. The values are for the weighing capacities.
* 3 Either tael (Singapore/HK jewelry/Taiwan) or tola can be added upon request.