

Mass Comparators *MC* series



For management of masses in the OIML Class F1 or below

Equipped with an internal mass for simplified calibration of the balance

Enhanced function settings to lessen errors due to drafts or vibrations

Mass comparator kit available to ensure higher accuracy (see below)



MC-10K



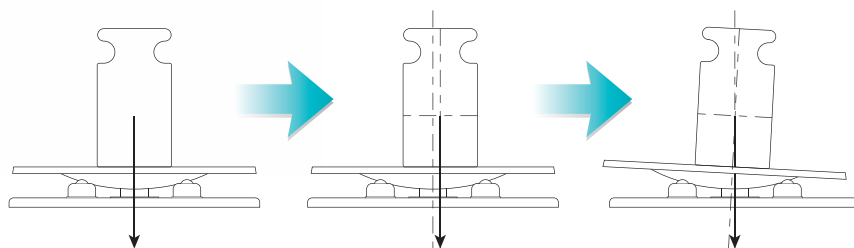
MC-6100

Recommended Measurement Ranges

Model	Applicable mass	0.1g	0.2g	0.5g	1g	2g	5g	10g	20g	50g	100g	200g	500g	1kg	2kg	5kg	10kg	20kg
MC-1000	F1																	
	F2																	
	M1																	
	M2																	
MC-6100	F1																	
	F2																	
	M1																	
	M2																	
MC-10K	F1																	
	F2																	
	M1																	
	M2																	
MC-30K	F1																	
	F2																	
	M1																	
	M2																	

Mass Comparator Kit (Highly Recommended Accessories)

Auto-centering Pan The auto-centering pan realizes mass comparison with higher accuracy by correcting eccentric loadings.



Please also visit our video library at www.aandd.jp to see how it operates!



AD-8922A (Remote Controller)

The AD-8922A enables operations without directly touching the balance, which prevents vibration.



MC Series
with auto-centering pans



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

Labequip
170 Shields Court, Unit 2
Markham, ON L3R 9T5
TEL: (905) 475-5880 ext. 226
FAX: (905) 475-1231

Mass Comparators *MC* series



Specifications

Specifications	MC-1000	MC-6100	MC-10K	MC-30K
Weighing capacity	1100 g	6100 g	10.1 kg	31 kg
Minimum weighing value	0.0001 g	0.001 g		0.01 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
	0.0004 g / 500 g	0.0015 g / 2 kg	0.004 g / 5 kg	
Sensitivity drift (10 °C to 30 °C)	±2 ppm / °C			±3 ppm / °C
Accuracy right after calibration using the internal mass*2	±0.010 g	±0.15 g		±1.5 g
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			
Weighing pan size	128 × 128 mm	165 × 165 mm	270 × 210 mm	
Power consumption	Approx. 11 VA (supplied to the AC adapter)			
External dimensions	210 (W) × 317 (D) × 86 (H) mm		300 (W) × 355 (D) × 111 (H) mm	
Net weight	Approx. 4.6 kg	Approx. 5.1 kg	Approx. 9.3 kg	
Standard accessories	AC adapter, Instruction manual, Glass breeze break (MC-1000/6100) or Simple breeze break (MC-10K/30K), Protection cover, WinCT (CD-ROM)			

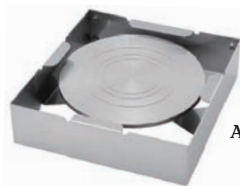
*1 Repeatability when the auto-centering pan or an automatic loading machine is used under good ambient conditions.

*2 Accuracy right after calibration using the internal mass and the breeze break in good ambient conditions. The values are for the weighing capacities.

Mass Comparator Kit

- AX-MC1000PAN*3** Auto-centering pan (MC-1000)
AX-MC6100PAN*3 Auto-centering pan (MC-6100)
AX-MC10K/30KPAN*3 Auto-centering pan (MC-10K/30K)
AD-8922A*3 Remote controller

*3 The auto-centering pan and the AD-8922A can be purchased separately.



Auto-centering pan

Options

For MC-1000/6100

- GX-02*4** Quick USB interface with cable
GX-04*4*5 Comparator output with a buzzer / RS-232C / Current loop
GX-06*4*5 Analog voltage output / Current loop
GX-12 Animal weighing pan
GX-13 Density determination kit (for MC-1000 only)

*4 GX-02, GX-04, GX-06, and the standard RS-232C interface cannot be used at the same time.

*5 Factory-installed options

For MC-10K/30K

- GX-04K*6** Comparator output with a buzzer / RS-232C / Current loop
GX-06K*6 Analog voltage output / Current loop
GX-07K Waterproof RS-232C cable (5 m)
GXX-012 Animal weighing pan
GXX-015 Carrying case

*6 GX-04K, GX-06K, and the standard RS-232C interface cannot be used at the same time. The MC-10K/30K are not IP65 compliant with these options.

Accessories

- AD-1602-E2*7** Calibration masses, OIML class E2
AD-1602-F1*7 Calibration masses, OIML class F1
AD-1682 Rechargeable battery unit
AD-1683 Static eliminator
AD-1684 Electrostatic fieldmeter
AD-1688 Weighing data logger
AD-1689 Tweezers for calibration weight
AD-8121B Compact printer
AD-8920A Remote display
AD-8526 Serial/Ethernet converter
AD-8527 Quick USB adapter
AX-KO1710-200 RS-232C cable (25P-9P, 2 m)
AX-SW128 Foot switch
AX-USB-25P Serial/USB converter

*7 Selectable from 50 g to 20 kg.



AD-1602



All models in the MC Series



...Clearly a Better Value

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

Manhattan Bldg. 8F, 36-2 Yoido-dong, Youngdeungpo-gu, Seoul, KOREA
 Telephone:[82](2) 780-4101 Fax:[82](2) 782-4280

A&D RUS CO., LTD.

Verenskaya 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