

Milton Analytical & Precision Weighing Balances

Master Series: Analytical weighing / Semi Micro Weighing Balances for weighing 0.00001g / 0.0001g, 0.001g, 0.001ct, resolution provides maximum weighing performance, reliability & service life. Milton offers Qualification Compliant Weighing Balances & Accessories with Password Protected Real Time Clock / Date-Time.

A) Analytical Balances: 0.0001g / 0.001ct -320 g



Specifications & Features:

- Advanced Weighing Technology based on Electromagnetic Force Compensation principle.
- Automatic Calibration with External Weight or with Internal Motorized Weight (MA224i only)
- User selection of number of applications like

Counting, Unit conversion, Accumulation of weights, Percentage (MA224i only) etc.

- Large backlit LCD display
- Level Indicator for Leveling
- Metal Die cast housing for better stability
- Hook for bottom weighing
- Glass Wind Shield with 3 side sliding doors with full height
- RS232C Interface for Computer & Printer connectivity



Model: MA224i

| Models → | MA324 | MA224 | MA124 | MA224i |
|-----------------|----------|----------|----------|----------|
| Capacity, g | 320 g | 220 g | 120 g | 220 g |
| Readability, g | 0.0001 g | 0.0001 g | 0.0001 g | 0.0001 g |
| Capacity, ct | 1600 ct | 1100 ct | 600 ct | 1100 ct |
| Readability, ct | 0.001 ct | 0.001 ct | 0.001 ct | 0.001 ct |
| Pan size, mm | ø 80/90 | ø 80/90 | ø 80/90 | ø 80 |

B) Semi-Analytical Balances: 0.001g / 0.001ct -1.5 kg

Specifications & Features:

- Advanced Weighing Technology based on Electromagnetic Force Compensation principle
- Large backlit LCD display
- Automatic External Calibration
- User selection of number of applications like Counting, Unit conversion, Accumulation of weights etc.
- Metal Die cast housing for better stability
- Hook for bottom weighing
- Level Indicator to maintain leveling
- Glass Wind Shield with 3 side sliding doors with full height
- RS232C Interface for connectivity for Computer & Printer



| Models → | MA223 | MA323 | MA523 | MA1023 |
|-----------------|----------|----------|----------|----------|
| Capacity, g | 220 g | 320 g | 520 g | 1020 g |
| Readability, g | 0.001 g | 0.001 g | 0.001 g | 0.001 g |
| Capacity, ct | 1100 ct | 1600 ct | 2600 ct | 5100 ct |
| Readability, ct | 0.001 ct | 0.001 ct | 0.001 ct | 0.001 ct |
| Pan size, mm | ø 80/90 | ø 80/90 | ø 80/90 | ø 115 |

C) Semi micro Balances: 0.01 mg / 0.1 mg – 60/220 g



Specifications & Features:

- Advanced Weighing Technology based on Electromagnetic Force Compensation principle.
- Automatic Calibration with Internal Motorized Weight
- User selection of number of applications like Counting, Unit conversion, Accumulation of weights etc.
- Large backlit LCD display
- Glass Wind Shield with 3 side sliding doors with full height
- Level Indicator for Leveling
- RS232C Interface for connectivity for Computer & Printer

| Model → | MA225D |
|----------------|--------------------|
| Capacity, g | 60 / 220 g |
| Readability, g | 0.00001 / 0.0001 g |
| Pan Size, mm | ø 80/90 |

D) Password Protected Date, Time & Data Printer

Model: MPD



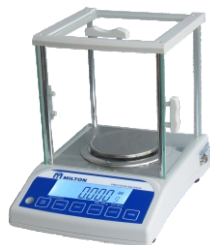
Model: MPI

- #### Specifications & Features:
- Impact Dot Printing
 - Display for tracking operations
 - Ink Ribbon cartridge for print preservation
 - Regular paper of 57.5mm width
 - 24 Characters print format
 - Generate Accurate & Complete Records in Human Readable & Electronic Printout on Paper
 - Printouts include Real Time Date & Time controlled by Admin Password
 - Data integrity of it's source device identification with Instrument Serial No., ID, Model No., Make etc.
 - Printouts with Company Name, Signature etc.
 - RS232C Interface for connectivity with many suitable Instruments

Precision & Compact Balances

E) Semi-Analytical Balances: 0.001 g / 0.001 ct-300 g

Eco Series :



- #### Specifications & Features:
- Automatic External Calibration
 - User selection of number of applications like Counting, Unit conversion, Accumulation of weights etc.
 - Large backlit LCD display, Optional Double display (MA203E only)
 - Glass Wind Shield with 3 side doors
 - Level Indicator for Leveling
 - RS232C Interface
 - Battery backup through AA Cells (MA203E only)

| Models → | MA203E | MA303E |
|-----------------|--------------------|--------------------|
| Capacity | 200 g / 1000 ct | 300 g / 1500 ct |
| Readability, ct | 0.001 g / 0.001 ct | 0.001 g / 0.005 ct |
| Pan Size, mm | ø 100 | ø 90 |

F) Precision Balances: 0.01 g - 3000 g



Specifications & Features:

- Automatic External Calibration
- User selection of number of applications like Counting, Unit conversion, Accumulation of weights etc.
- Large backlit LCD display Optional Double display
- Optional Glass Wind Shield with 3 side doors
- Level Indicator for Leveling
- RS232C Interface for connectivity for Computer & Printer
- Optional Battery backup through AA Cells (selected models only)

| Models → | MA602E | MA1202E | MA2002E | MA3002E |
|----------------|--------|---------|---------|---------|
| Capacity, g | 600 g | 1200 g | 2000 g | 3000 g |
| Readability, g | 0.01 g | 0.01 g | 0.01 g | 0.01 g |
| Pan Size, mm | ø 120 | ø 120 | 160x190 | 160x190 |

G) Precision Balance: 0.01 g-610 g with GSM Measure



Specifications & Features:

- Automatic External Calibration
- User selection of number of applications like Counting, Unit conversion, Accumulation of weights etc.
- Large back lit LCD display
- Optional Small Folding Shield
- Optional GSM Cutter
- Optional Battery backup through AA Cells / Rechargeable battery (selected models only)

| Model → | MA612E |
|------------------|--------|
| Capacity, g | 610 g |
| Readability, g | 0.01 g |
| Readability, gsm | 1 gsm |
| Pan Size, mm | ø 120 |



H) Precision Balances: 0.1 g - 22000 g

Specifications & Features:

- Advanced Weighing Technology
- Automatic External Calibration
- User selection of number of applications like Counting, Unit conversion, Accumulation of weights, Optional Check Weighing in select models.
- Large back lit LCD display
- Level Indicator
- HI/OK/LO checking weighing function
- Optional Battery backup through AA Cells/ Rechargeable batteries.



| Models → | MA6001EB | MA10001EB | MA15001EB | MA22001EB |
|----------------|----------|-----------|-----------|-----------|
| Capacity, g | 6 kg | 10 kg | 15 kg | 22 kg |
| Readability, g | 0.1 g | 0.1g | 0.1g | 0.1g |
| Pan Size, mm | 153x173 | 280x220 | 280x220 | 310x225 |

I) Compact Balances: 0.001/0.01/0.1/ 0.5/1 g-10 kg



Specifications & Features:

- Advanced Weighing Technology
- Automatic External Calibration
- LED display
- User selection of number of optional applications like Counting, Unit conversion, Accumulation of weights
- Optional Battery backup through AA Cells/ Rechargeable battery

| Models → | MT93C | MT902C | MT9001C | MT10-1C |
|----------------|---------|--------|-----------|-----------|
| Capacity, g | 90 g | 900 g | 9000 g | 10 kg |
| Readability, g | 0.001 g | 0.01 g | 0.1 g | 1 g |
| Pan Size, mm | ø 125 | ø 125 | 155 x 155 | 155 x 155 |

J) Weighing Indicators: LED, LCD, Wireless, WiFi with ABS, MS, SS & FLP MOC



Specifications & Features:

- For * Basic Weighing / Platforms * Tare-Gross-Net Weighing * Check Weighing * Weighing & Printing * Weighing & Printing with Date & Time with Password Control * Weighing & Wireless Data Transmission on WiFi * Weighing Wireless between Indicator & Platform

K) Tabletop & Platform Weighing Scales: 0.1 g- 2000 kg



Specifications & Features:

- Advanced Weighing Technology
- Automatic External Calibration
- LED display
- User selection of number of optional applications like Counting, Unit conversion, Accumulation of weights
- Optional Battery backup through AA Cells/ Rechargeable battery

*Above models available with Customized Readability, Capacity, Platform Sizes as well as MOC ABS/MS/SS/FP. Few popular models are as below -

| Models → | MT10/20/30 | MP100/200 | MP500/1000 | MP1000/2000 |
|----------------|--------------|-----------|------------|-------------|
| Capacity, kg | 10 / 20 / 30 | 100 / 200 | 500 / 1000 | 1000 / 2000 |
| Readability, g | 1 / 2 / 5 | 10 / 20 | 50 / 100 | 100 / 200 |
| Pan Size, mm | 220x270 | 400x400 | 600x600 | 1200x1200 |

L) Moisture Balances: 0.01 %, 1/5 mg-110 g

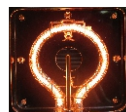


Milton Moisture Analyser Balances are used for moisture analysis in daily routine laboratory applications, in research and development as well as quality and process control and also during goods-in inspection. These Moisture Balances are widely used in Pharmaceuticals, Plastics, Food, Agriculture etc. who require simple to use Instruments for routine testing

Food, Agriculture etc. who require simple to use Instruments for routine testing

Specifications & Features:

- Advanced Technology with IR Halogen Lamp
- Easy and user friendly menu selection
- Automatic External Calibration
- Large backlit LCD display
- Auto and Manual user selection of various options including start/ stop modes
- Drying programs- Standard, Rapid, Gentle
- Results display- % Moisture, % Solid, Weight, Time, Temp.
- Metal Die cast housing base for better stability
- Stainless steel chamber
- Fast Analysis within minute
- Minimum Sample weight 1 g
- RS232C Interface for Printer, Computer connectivity.



| Models → | MA100-1 | MA100-5 |
|-------------------------|---------------------------|----------|
| Capacity, g | 110 g | 110 g |
| Moisture Readability, % | 0.01 % | 0.01 % |
| Readability, gram | 0.001 g | 0.005 g |
| Pan Size, mm | ø 90-110 | ø 90-110 |
| Heating Temp. Setting | 40°C - 199°C (1°C step) | |
| Heating Time Setting | 01-99 minutes (1sec step) | |
| Heating Element Power | 400W | |
| Working Temperature, °C | 5°C to 45° | |

M) Density Measuring Balances: 0.001g-210g

Milton Density Balances are used for density (Specific Gravity) determination in Industry, Agriculture, Chemical, Food, Plastic, Gem and Jewellery, School and Research Institutes.

Density determination is performed using the gravimetric measuring method by means of Archimedes principle (buoyancy method) Milton Density Balance contains Balance and a Kit. With few quick steps, Milton balance is converted into a reliable density balance which displays direct results without any manual calculations. It measures density of Precious metals-stones like Silver, Alloys, Diamonds, Gems, & even Gold purity is measured in Karat & Percentage.

Specifications & Features:

- Advanced Weighing Technology
- Automatic External Calibration
- User selection of number of *optional applications like Solid, *Liquid, *Powder, *Absorbent, *Gold, Unit conversion.
- Large back lighted LCD display Optional Wind Shield
- Optional Density Kit for Liquid, Powder, Granules testing



- Metal Die cast housing base for better stability
- Hook for bottom weighing
- Level Indicator for leveling
- RS232C Interface for Printer, Computer connectivity.

| Models → | MA213-DK |
|-----------------------|---|
| Capacity, g | 210 g |
| Readability, g | 0.001 g |
| Readability, g/cm | 0.001 g/cm ³ |
| Capacity, ct | 1050 ct |
| Readability, ct | 0.005 ct |
| Pan Size, mm | ø 80 |
| Density Measure Modes | Sp. Gravity measure of Solid, Liquid, Powder, Absorbent samples with auto calculation program |

N) Waterproof Weighing Scales: 0.1 g – 30 Kg

Waterproof scales meets the international food safety standard with an IP68 dust-tight and water proof protection, Full ABS / Stainless steel housing,.



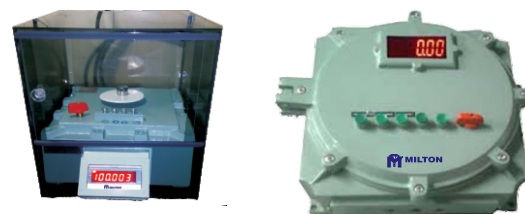
Specifications & Features:

- IP68 Waterproof & fully sealed design
- ABS or Stainless steel housing
- Unit Conversion: kg, g, oz, lbetc
- Rechargeable battery with inbuilt charger
- HI/OK/LO checking weighing function
- Auto zero tracking
- Auto shutdown
- Display Standby function
- Low battery indication
- Simple counting function
- 6 digit LED display
- Optional Double Sided display

| Models → | MT6WB-AD/SS | MT15WB-AD/SS | MT30WB-AD/SS |
|-------------|-------------|--------------|--------------|
| Capacity | 6 kg | 15 kg | 30 kg |
| Readability | 2 g | 5 g | 10 g |
| Pan Size | 230x200 mm | 230x200 mm | 230x200 mm |

O) Flameproof Weighing Scales: 1 g – 2000 Kg

Flameproof scales with certified Flameproof Enclosure



Specifications & Features:

- Advanced Weighing Technology
- Automatic External Calibration
- LED display
- User selection of number of optional applications like Counting, Unit conversion, Accumulation of weights
- Optional Battery backup through Rechargeable battery

*Above models available with Customized Readability, Capacity & Platform Sizes as well as MOC ABS/MS/SS/FP

P) Crane / Hanging Weighing Scales: 10 g- 2000 kg

Crane scales also known as Hanging Scales are mainly used for overhead material handling. Crane Scales are designed for the applications in Heavy Industries, Cement Industry, Ship and Container Yard, Steel plant, Mills etc.



- Solid and Reliable design
- Automatic External Calibration
- Advanced Micro controller.
- High accuracy Load Cell
- High brightness LED display
- Fast weighing response
- Battery backup through AA Cells

Few Popular Models are as below -

| Models → | MP100H | MP500H | MP1000H | MP2000H |
|----------------|--------|--------|---------|---------|
| Capacity, kg | 100 | 500 | 1000 | 2000 |
| Readability, g | 10 | 50 | 100 | 200 |

Q) Weighing, Moisture & Density Balance Accessories

Milton offers a wide range of accessories for Weighing Balances, Moisture Balances and Density Balances to improve the comfort of work on the device and also to meet ISO, GLP, GMP compliance & to preserve/ print records/ data & Real Time Clock tracking.



DENSITY KIT GEM TRAY SERIAL CABLE POWER ADAPTER

Dealer Address:



MILTON
MILTON INSTRUMENTS
www.miltonlab.com / www.miltonweighing.com



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Precise Balance for Precious Market

Precision for Laboratory, Research, Education, Pharmaceuticals, Chemicals, Food, Dairy, Agriculture, Textile, Plastic, Metal, Engineering, Healthcare, Diamond, Gold Jewellery & Retail...

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Designs, Specifications & Colors of Instruments are subject to change without notice. Some models/ accessories may be indicative.