



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration

Fully Automatic motorized internal built in weights Calibration.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY-C Series Analytical Balances

Professional Level

Model	CY 64 C	CY 124 C	CY 224 C	CY 304 C	CY 324 C	CY 404 C
Maximum Capacity	60 gm	120 gm	220 gm	300 gm	320 gm	400 gm
Minimum load	10mg	10mg	10mg	10mg	10mg	10mg
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (sd)	0.1 mg	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.2 mg
Linearity (±)	0.2 mg	0.2 mg	0.2 mg	0.3 mg	0.3 mg	0.3 mg
Tare Range (Subtractive)	-60 gm	-120 gm	-220 gm	-300 gm	-320 gm	-400 gm
USP Minimum Weight	160 mg					
Pan Size (mm)	90 Ø					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlite LCD Display					
Calibration	Motorised Internal Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	18° to 30°C					
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)					
Interface	RS 232C Optional USB (Windows direct communication).					
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.					
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz					
Compliance	ISO, GLP / GMP & USP					
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 228.5					
Weight Approx	9.3 kg					

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

External Calibration

Automatic setting up of the balance accuracy.
External test weight required

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY Series Analytical Balances

Standard Level

Model	CY 64	CY 124	CY 224	CY 304	CY 324	CY 404
Maximum Capacity	60 gm	120 gm	220 gm	300 gm	320 gm	400 gm
Minimum load	10mg	10mg	10mg	10mg	10mg	10mg
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (sd)	0.1 mg	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.2 mg
Linearity (+/-)	0.2 mg	0.2 mg	0.2 mg	0.3 mg	0.3 mg	0.3 mg
Tare Range (Subtractive)	-60 gm	-120 gm	-220 gm	-300 gm	-320 gm	-400 gm
USP Minimum Weight	160 mg					
Pan Size (mm)	90 Ø					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlite LCD Display					
Calibration	External Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	18° to 30°C					
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)					
Interface	RS 232C Optional USB (Windows direct communication).					
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.					
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz					
Compliance	ISO, GLP / GMP & USP					
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 228.5					
Weight Approx	9.3 kg					

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

Save power with auto power-off function after 10 minutes of inactivity

Construction

Durable construction with metal base, ABS housing, and large stainless-steel weighing pan allows quick cleaning. Level indicator and adjustable feet ensure proper balance setup

CY Series Industrial Precision Balances

Professional Level

Model	CY 15001H	CY 20001H	CY 25001H	CY 35001H	CY 50000H
Maximum Capacity	15 kg	20Kg	25 kg	35 kg	50 kg
Minimum load	10 gm	10 gm	10 gm	10 gm	-
Readability	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Repeatability (sd)	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Linearity (+/-)	0.2 gm	0.2 gm	0.2 gm	0.2 gm	2 gm
Tare Range (Subtractive)	-15 kg	-20 kg	-25 kg	-35 kg	-50 kg
USP Minimum Weight	82 gm				820 gm
Pan Size (mm)	370 x 260				
Response Time	2 - 3 Sec.				
Display	Alpha Numeric Backlite LCD Display				
Calibration	Motorised Internal Calibration				
Units of measure	gm, mg, ct, GN, mo, oz, dwl, t1T, t1H, t1S, mom, Bat, MS				
Operating Temp.	15° to 35°C				
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)				
Interface	RS 232C Optional USB (Windows direct communication).				
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, etc.				
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz				
Compliance	ISO, GLP / GMP & USP				
Balance Size (W x D X H) mm	517 x 302 x 130				
Weight Approx	16.3 kg				

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration

Fully Automatic motorized internal built in weights Calibratio.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

CY-A Series Analytical Balances

Professional Level

Model	CY 64 A	CY 124 A	CY 224 A	CY 304 A	CY 324 A	CY 404 A
Maximum Capacity	60 gm	120 gm	220 gm	300 gm	320 gm	400 gm
Minimum load	10mg	10mg	10mg	10mg	10mg	10mg
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (sd)	0.1 mg	0.1 mg	0.1 mg	0.2 mg	0.2 mg	0.2 mg
Linearity (±)	0.2 mg	0.2 mg	0.2 mg	0.3 mg	0.3 mg	0.3 mg
Tare Range (Subtractive)	-60 gm	-120 gm	-220 gm	-300 gm	-320 gm	-400 gm
USP Minimum Weight	160 mg					
Pan Size (mm)	90 Ø					
Response Time	2 - 3 Sec.					
Display	Touch screen					
Calibration	Motorised Internal Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	18° to 30°C					
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)					
Interface	RS 232C Optional USB (Windows direct communication).					
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.					
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz					
Compliance	ISO, GLP / GMP & USP					
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 228.5					
Weight Approx	9.3 kg					

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

Save power with auto power-off function after 10 minutes of inactivity

Construction

Durable construction with metal base, ABS housing, and large stainless-steel weighing pan allows quick cleaning. Level indicator and adjustable feet ensure proper balance setup

CY-C Series Industrial Precision Balances

Professional Level

Model	CY 15001HC	CY 20001HC	CY 25001HC	CY 35001HC	CY 50000HC
Maximum Capacity	15 kg	20Kg	25 kg	35 kg	50 kg
Minimum load	10 gm	10 gm	10 gm	10 gm	-
Readability	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Repeatability (sd)	0.1 gm	0.1 gm	0.1 gm	0.1 gm	1 gm
Linearity (+/-)	0.2 gm	0.2 gm	0.2 gm	0.2 gm	2 gm
Tare Range (Subtractive)	-15 kg	-20 kg	-25 kg	-35 kg	-50 kg
USP Minimum Weight	82 gm				820 gm
Pan Size (mm)	370 x 260				
Response Time	2 - 3 Sec.				
Display	Alpha Numeric Backlite LCD Display				
Calibration	Motorised Internal Calibration				
Units of measure	gm, mg, ct, GN, mo, oz, dwl, t1T, t1H, t1S, mom, Bat, MS				
Operating Temp.	15° to 35°C				
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)				
Interface	RS 232C Optional USB (Windows direct communication).				
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, etc.				
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz				
Compliance	ISO, GLP / GMP & USP				
Balance Size (W x D X H) mm	517 x 302 x 130				
Weight Approx	16.3 kg				

Typical minimum sample weight according to USP Chapter41



Flameproof Encloser

Precision Balance series CY-F are designed for fast and Precise determination of mass in laboratory and industrial conditions in explosive areas.

The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Class I:

Locations in which hazardous concentrations of flammable gases or vapors exist.

Class II:

Locations which are hazardous due to the presence of combustible or electrically conductive dust or fibers.

Group A:

Atmospheres containing acetylene.

Group B:

Atmospheres containing hydrogen, gases or vapors of equivalent hazard, such as manufactured gas.

CY-F Series Flame Proof Balances

Professional / Standard Level

Model	CY 224F-C	CY 224F	CY 223F	CY 323F	CY 513F	CY 3102F	CY 4102F	CY 6102F
Maximum Capacity	220 gm	220 gm	220 gm	320 gm	510 gm	3100 gm	4100 gm	6100 gm
Minimum load	10 mg	10 mg	20 mg	20 mg	20 mg	500 mg	500 mg	500 mg
Readability	0.1 mg	0.1 mg	0.001 gm	0.001 gm	0.001 gm	0.01 gm	0.01 gm	0.01 gm
Repeatability (sd)	0.1 mg	0.1 mg	0.001 gm	0.001 gm	0.001 gm	0.01 gm	0.01 gm	0.01 gm
Linearity (±)	0.2 mg	0.2 mg	0.002 gm	0.002 gm	0.002 gm	0.02 gm	0.02 gm	0.02 gm
Tare Range (Subtractive)	-220 gm	-220 gm	-220 gm	-320 gm	-510 gm	-3100 gm	-4100 gm	-6100 gm
USP Minimum Weight	160 mg		1 gm			82 gm		
Pan Size (mm)	90 Ø		128 x 128 mm			198 x 205 mm		
Response Time	3 Sec.		2 - 3 Sec.					
Display	Alpha Numeric Backlite LCD Display							
Calibration	Internal	External Calibration						
Units of measure	gm, mg, ct, GN, mo, oz, dwt, †1T, †1H, †1S, mom, Bat, MS							
Operating Temp.	15° to 35°C							
Sensitivity Drift.	± 2ppm (2 x 10 ⁻⁶ / °C)							
Interface	RS 232C Optional USB (Windows direct communication).							
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.							
Power Supply	DC Adaptor,input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz							
Compliance	ISO, GLP / GMP & USP							
Balance Size (W x D X H) mm	517 x 302 x 130							
Weight Approx	16.3 kg							

Typical minimum sample weight according to USP Chapter41



Design

Micro Balance consists of two components - one containing the electronics and the other, the precise mechanical measuring cell. This separation eliminates the effects of temperature and the influence it has on the microbalance scale.

The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration

Fully Automatic motorized internal built in weights Calibration.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Automatic shut off

For powersaving mode.



Infrared Sensor

Infrared Sensor

Automatic opening and closing of the glass shield doors

CM Series Micro Balances

Professional Level

Model	UCM 2A	CM 2	CM 5	CM 6	CM 11	CM 21	CM 31
Maximum Capacity	2 gm	2 gm	5 gm	6.1 gm	11 gm	21 gm	31 gm
Readability	0.1 µg	1 µg	1 µg	1 µg	1 µg	1 µg	1 µg
Repeatability (sd)	0.3 µg	0.7 µg	1 µg	1 µg	1.2 µg	1.2 µg	2 µg
Linearity (+/-)	1.5 µg	3 µg	5 µg	5 µg	6 µg	7 µg	8 µg
Tare Range (Subtractive)	-2 gm	-2 gm	-5 gm	-6 gm	-11 gm	-21 gm	-31 gm
USP Minimum Weight	0.5 mg	2 mg	2 mg	2 mg	2.4 mg	2.4 mg	4 mg
Pan Size (mm)	15Ø ~ 30Ø						
Response Time	8 - 10 Sec.						
Display	Alpha Numeric Backlite LCD Display						
Calibration	Motorised Internal Calibration						
Units of measure	gm, mg, ct, GN, mo, oz, dwf, t1T, t1H, t1S, mom, Bat, MS						
Operating Temp.	18° to 30°C						
Sensitivity Drift.	± 1ppm (1 x 10 ⁻⁶ / °C)						
Interface	RS 232C Optional USB (Windows direct communication).						
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.						
Power Supply	A/C Adaptor 230V or 115V / +/-20% 50-60Hz						
Compliance	ISO, GLP / GMP Compliance						
Balance Size (W x D X H) mm	Mechanical Box : 360 (L) x 140 (W) x 146 (H) Electronic Box : 240 (W) x 210 (D) x 65 (H)						
Weight Approx	10.20 / 14.70 kg						

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration

Fully Automatic motorized internal built in weights Calibration.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY-C Series Precision Balances

Professional Level

Model	CY 312 C	CY 612 C
Maximum Capacity	310 gm	610 gm
Minimum load	500 mg	500 mg
Readability	0.01 gm	0.01 gm
Repeatability (sd)	0.01 gm	0.01 gm
Linearity (+/-)	0.02 gm	0.02 gm
Tare Range (Subtractive)	-310 gm	-610 gm
USP Minimum Weight	10 gm	
Pan Size (mm)	110 Ø	
Response Time	2 - 3 Sec.	
Display	Alpha Numeric Backlite LCD Display	
Calibration	Motorised Internal Calibration	
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS	
Operating Temp.	15° to 35°C	
Sensitivity Drift.	± 1ppm (1 x 10 ⁻⁶ / °C)	
Interface	RS 232C Optional USB (Windows direct communication).	
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.	
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz	
Compliance	ISO, GLP / GMP & USP	
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 158.5	
Weight Approx	7.5 kg	

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

External Calibration

Automatic setting up of the balance accuracy.
External test weight required

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY Series Precision Balances

Standard Level

Model	CY 312	CY 612
Maximum Capacity	310 gm	610 gm
Minimum load	500 mg	500 mg
Readability	0.01 gm	0.01 gm
Repeatability (sd)	0.01 gm	0.01 gm
Linearity (+/-)	0.02 gm	0.02 gm
Tare Range (Subtractive)	-310 gm	-610 gm
USP Minimum Weight	10 gm	
Pan Size (mm)	110 Ø	
Response Time	2 - 3 Sec.	
Display	Alpha Numeric Backlite LCD Display	
Calibration	External Calibration	
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS	
Operating Temp.	15° to 35°C	
Sensitivity Drift.	± 1ppm (1 x 10 ⁻⁶ / °C)	
Interface	RS 232C Optional USB (Windows direct communication).	
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.	
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz	
Compliance	ISO, GLP / GMP & USP	
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 158.5	
Weight Approx	7.5 kg	

Typical minimum sample weight according to USP Chapter41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration

Fully Automatic motorized internal built in weights Calibration.

Perfect Self Auto Calibration (PSAC)

When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY-C Series Precision Balances

Professional Level

Model	CY 123 C	CY 223 C	CY 323 C	CY 363 C	CY 423 C	CY 513 C
Maximum Capacity	120 gm	220 gm	320 gm	360 gm	420 gm	510 gm
Minimum load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Repeatability (sd)	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Linearity (±)	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm
Tare Range (Subtractive)	-120 gm	-220 gm	-320 gm	-360 gm	-420 gm	-510 gm
USP Minimum Weight	1gm					
Pan Size (mm)	110 Ø					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlite LCD Display					
Calibration	Motorised Internal Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	15° to 35°C					
Sensitivity Drift.	± 1ppm (1 x 10 ⁻⁶ / °C)					
Interface	RS 232C Optional USB (Windows direct communication).					
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.					
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz					
Compliance	ISO, GLP / GMP & USP					
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 158.5					
Weight Approx	7.5 kg					

Typical minimum sample weight according to USP Chapter 41



The Brilliant Mono-Tech

Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

External Calibration

Automatic setting up of the balance accuracy.
External test weight required

Overload Protection

Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability

High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP

Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook

Hook for weighing below the balance.

Automatic shut off

For power saving mode.

CY Series Precision Balances

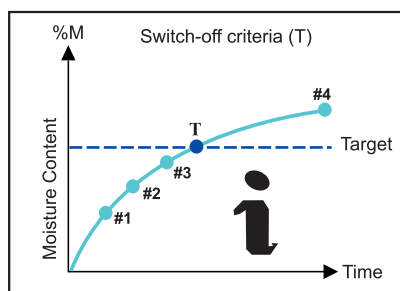
Standard Level

Model	CY 123	CY 223	CY 323	CY 363	CY 423	CY 513
Maximum Capacity	120 gm	220 gm	320 gm	360 gm	420 gm	510 gm
Minimum load	20 mg	20 mg	20 mg	20 mg	20 mg	20 mg
Readability	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Repeatability (sd)	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm	0.001 gm
Linearity (+/-)	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm	0.002 gm
Tare Range (Subtractive)	-120 gm	-220 gm	-320 gm	-360 gm	-420 gm	-510 gm
USP Minimum Weight	1gm					
Pan Size (mm)	110 Ø					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlite LCD Display					
Calibration	External Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	15° to 35°C					
Sensitivity Drift.	± 1ppm (1 x 10 ⁻⁶ / °C)					
Interface	RS 232C Optional USB (Windows direct communication).					
Application Modes	PCS, % Weighing, Animal / Dynamic Weighing, Check Weighing, Automatic Density Determination, Formulation Automatic Statistic Calculator etc.					
Power Supply	DC Adaptor, input 100 ~ 240 0.8A output 13V / 15.A, 50-60Hz					
Compliance	ISO, GLP / GMP & USP					
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height 158.5					
Weight Approx	7.5 kg					

Typical minimum sample weight according to USP Chapter41



The Uncompromising Halogen Moisture Analyzer 'Loss on Drying' (LOD) principle.



Reliability :

Reliable result depend on correct methodology. Select the **Intelligent** function, key in the reference value and maximum time. The MB swiftly calculates appropriate switch-off criteria automatically to match the reference value to the last decimal place. You can save this parameter as method. **Intelligent** efficiently develops your method and saves your time in any area where different products are analyzed for their moisture content. You could never match your reference value with such accuracy.



Ultra Fast and uniform heating

Uniquely designed circular halogen Lamp and reflectors ensures utmost rapid heating, shorten the measurement time. Well engineered heating chamber ensure uniform heating to achieve exact result with exceptional reproducibility.




Brilliant Monotech sensor with analytical precision

The outstanding measurement performance of MB series is based on brilliant analytical weighing Technology MONOTECH, The forth decimal place is not displayed but is measured and used in calculation of highly precise results, gives highest measurement security.

Accurate & Reproducible

A clever solution with
extensive data storage
and statistics

▶▶METHODWISE▶01:BABY FOOD	
▶STATISTICS▶	LAST RESULT: 672.0 %AM
	LAST TIME : 20.5 MIN
	NO. OF ANALYS. Y: 50
	MEAN X: 673.8 %AM
	STD. DEV. S: 5.2 %AM
←BACK	↑ UP ↓ DOWN

MENU▶METHODS	COMP
	PASSWORD: [REDACTED]
METHODS	
←BACK	T DELT 0-9 ABC

Password protection

Password protection prevents the unauthorized access to the stored data & alterations of the parameters thus ensuring its security

Statistics

This can display and print statistics for the last 9999 measurements based on each Method or Batch making this ideal intelligent instrument for R&D and production both.

Memory of each moisture Determination

This being the most versatile feature of MB series, it stores last 1000 moisture determination, so you can almost, this make it UNIQUE and DEPENDABLE, no other instrument can offer this.

Temperature Calibration Report

ACZET

Model no. MB 200
Serial no. M2120057
Ver. no. 1.1.3.25
User ID MAUSAM
Temp cal count 13
Temp cal date 26/04/2017
Temp cal time 01:59PM

Temperature1 100°C:102°C

Temperature2 200°C:200°C

Temp calibration done

26/04/2017 02:30PM
Name:

ISO / GLP Compliance print out

It helps identify how, when & who performed the moisture determination. Highly flexible user configurable print format with 4 user id makes it customized yet traceable document compliance to SOP's and GLP regulation making MB series most acceptable in each industry. Every successful calibration is been tracked and record with incremental numbers also last successful calibration report stored in memory makes it even more flexible and convenient.

ABC PHARMA CO.
LAB UNIT 3

26/04/2017 3:00PM

Model no. MB 200
Serial no. M2120057
Ver. no. 1.1.3.25
User ID MAUSAM

Method 19: NACL
PRODUCTION LINE
AFTER FILTERATION

Start of analysis:

Automatic NO
Stability YES
Delay YES
Heating STANDARD
Temp 110°C
Sw-off MANUAL
Stndby OFF
Compile OFF
Init. wt. +3.918g

00:00:30hrs + 0.078 %M
00:01:00hrs + 0.098 %M
00:01:30hrs + 0.102 %M
00:02:00hrs + 0.159 %M
00:02:30hrs + 0.178 %M

Fn1. wt. +3.911 g
00:07:30hrs + 0.178 %M

Last wt. cal 26/04/2017

Last temp cal 31/12/2017

Name:

.....
26/04/2017 03:07PM

Diversity

With New Technology Moisture Analyzer you can achieve higher productivity without compromising on quality in your daily business challenges, since it is DIVERSE and can be programmed according to the individual needs of the person. No matter if user is from quality assurance, manufacturing or R&D.

DATA STORAGE

This unique feature offers the flexibility to choose the data storage mode as per user application.



Connectivity

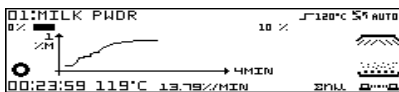
Do you have to note down the measurement of several dozen samples each day? Not any more Thanks to the standard USB, RS 232 and Ethernet interfaces, you can now conveniently transfer your data to your PC or Print it out directly on Aczel Data Printer.

Sample identification is traceable

Graphical display with alpha numeric keypad and PS2 keyboard made user interface very easy for defining user specific text for each sample.



Method Wise storage allows the user to store 25 moisture determination results in each method, user can store such 40 methods. Method wise storage is suitable for application in R&D or Quality Assurance where there are more number of different product (samples) to be analyzed.



Graph

Thanks to graphical display, user can view auto updating graph of the drying process with the change in the moisture level.

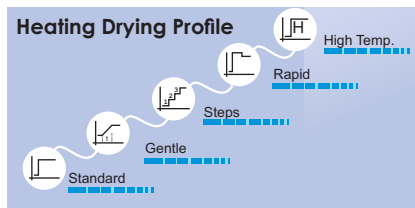


Features like **Weight in assist** and **Standby temperature** helps user to improve reproducibility by taking same amount sample weight and similar climatic state for each moisture determination.

Batch wise storage allows use to create 100 batches & store maximum 1000 data with no restriction on the data storage per batch. Batch wise storage is suitable for application in production where there are more numbers of samples to be analyzed for the same product.

Multiple Units of measurement results %M, %D, %R (ratio), Gm/Lt, %M Atro, %D Atro make it most convenient for each user.

Various heating profile like Standard, Gentle, Rapid, Step & High temperature heating makes it possible to analyzer any product sample.



Various switch off criteria from Auto, Manual, Timed, User Defined G/T, User Defined %U/T, Intelligent makes it possible to achieve utmost accurate result.

Weighing Application :

Moisture analyzers are used in many industries such as food, chemical, pharmaceutical and plastics. Moisture content determination in food is of particular importance as the moisture content influences the quality and shelf life of a product

MB Series is compact in shape & big in performance. It performs all the major Functions of routine moisture analysis with following features. **HACCP, FDA, GLP, GMP compliance** & in sewage treatment plants.

Technical Parameters :

Model	MB 54	MB 40	MB 50	MB 120	MB 200
Measurement Value					
Readability	0.0001%	0.001%	0.001%	0.001%	0.001%
Repeatability (sd) for initial sample wt. = 2g	0.05%	0.1%	0.1%	0.1%	0.1%
Repeatability (sd) for initial sample wt. = 10g	0.02%	0.03%	0.03%	0.03%	0.03%
Evaluation					
Display units of Measurement	%M, %D, %R (ratio), Gm/Lt, %M Atro, %D Atro				
Statistics	Method wise for each individual 40 methods or Batch wise for each individual 100 batches for last 9999 results				
Data Storage	Last 1000 Moisture Determination results				
Weighing Balance					
Max. Sample weight	50 g	40 g	50 g	120 g	200 g
Minimum Sample Weight	0.2 g	0.2 g	0.2 g	0.2 g	0.2 g
Readability	0.1 mg	0.001 g	0.001 g	0.001 g	0.001 g
Pan Sze (Ø mm)	95 mm				
Drying Unit					
Heating Source	Infra Red Halogen				
Temperature range	30°C to 175°C (Optional 250°C)				
Temperature increment	1°C				
Heating Profile	Standard, Gentle, Rapid, Steps, High Temperature				
Switch off Criteria	Auto Manual, User Def Weight / Time, User Def % Unit / Time, Intelligent				
User Support					
Auto Method Development	Intelligent				
Method Memory	40				
Batch Memory	100				
Method Designation	Alpha Numeric				
Serial Number	Yes				
Compile	Yes (Method Linking)				
Standby Temperature	30°C to 100°C				
Display	Graphical Display with LED backlight				
Data Interface	RS 232C Bidirectional, USB Ethernet, PS2				
Print	GLP / GMP Compliant, User Configurable				
Quality Management					
Test	Weighing and Heater				
Weight in Assist	Yes				
Password	Method, Setting, Print Format, Data Delet, Calibration, Drying				
Miscellaneous					
Power Supply	230V/50Hz or 115V/60Hz				
Power Consumption (Watt)	Max 415				
Housing Dimension mm	211 (W) x 342 (D) x 178 (H)				
Weight Approx	5kg				
Packing Dimension mm	325 (W) x 390 (D) x 285 (H)				

Optional Accessories



Optional Temp. 250°C



Aluminum Dish



Temperature Kit



Statistical Printer



Test Weights



Battery Backup Unit