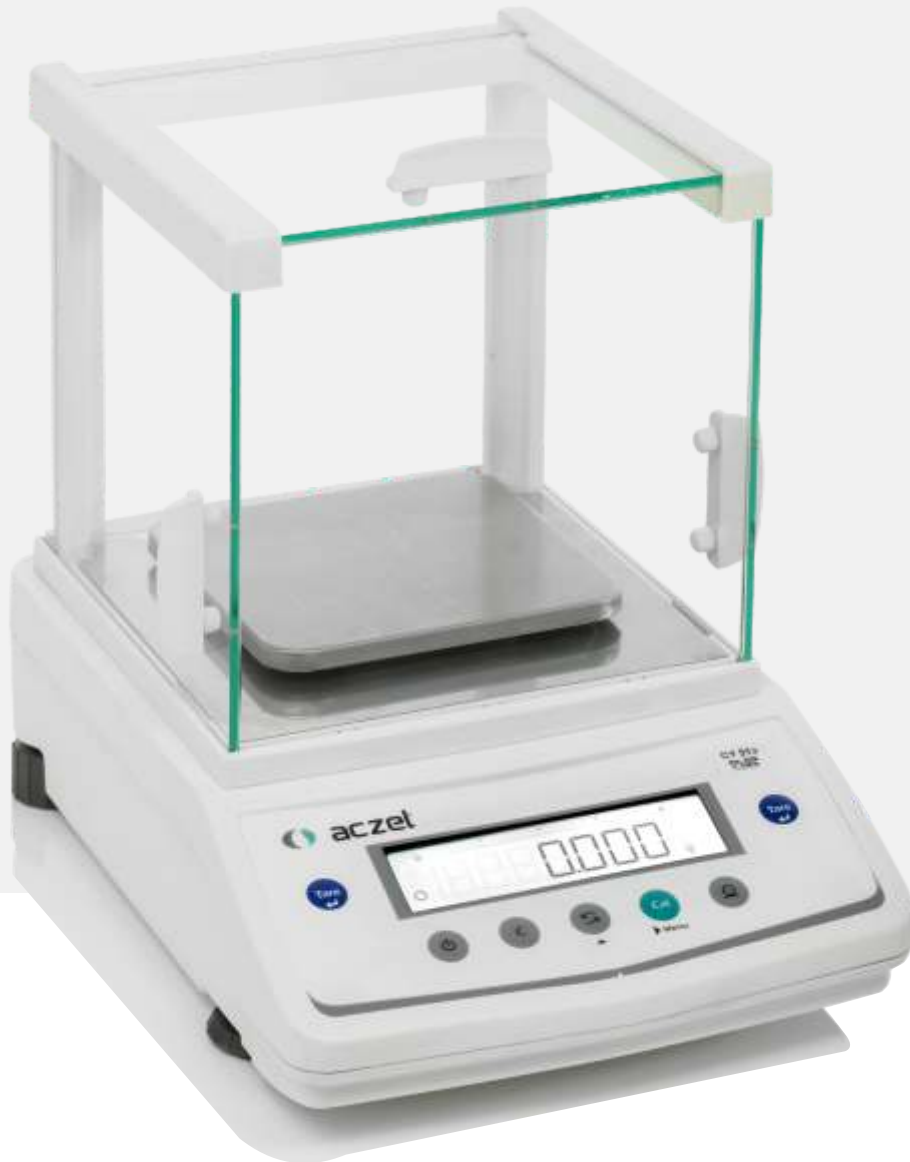




Laboratory Balances & Scales

Solution Simplified



www.aczel.com

Precision Balance CY Series

"Unmatched Precision, Reliable Results"

Precision Balances Perfect Measurements Guaranteed

CY Standard Level Series

Precise mass measurements and a dependable precision balance are must-have tools in any laboratory or setting that demands accuracy. The line of Precision Balances that we offer is meticulously engineered to provide highly accurate readings even for the minutest weight increments. Our Precision Balances are available in a wide range of capacities, from 120 g up to 3000 g, with a readability of 0.001 gm, catering to diverse weighing needs. Whether it's small-scale research or larger industrial applications, our Precision Balances cover the entire spectrum of precision operations..



11 Easy-to-use Built-in-Applications

- Piece Counting
- % Weighing
- Formulation
- Pipette - Check
- Animal Weighing
- Custom Unit
- Check Weighing
- Totalization
- Density
- Statistics
- Below Hook

Reliable and precise results



The Mono-Tech technology sensor truly stands out with its unparalleled design based on electromagnetic force compensation (EMFC). Its exceptional performance meets the highest international standards. I am truly impressed by its unique features and the results it delivers.

Strong and Sturdy Construction



Ensures reliability and durability with its strong construction and solid performance, perfect for long-term use.

Easy-to-Read LCD Screen



Easy-to-Read LCD ScreenThe balance is equipped with a large LCD backlit screen that ensures easy visibility in any lighting conditions. The backlit feature illuminates the screen, making it readable even in low-light environments.

Efficient Functioning



Designed with a spacious glass draft shield 3 side opening and an IP54 protection class for efficient and safe operation, and protection against dust and water splashes.

Easy Leveling



Easy LevelingSimply adjust the feet of the balance until the level indicator shows that the air bubble is centered. This ensures accurate measurements.

Efficient Communication



Features RS 232 communication, allowing for error-free documentation, ensuring accurate and reliable data transfer Pc or printer.

Precision Balances Perfect Measurements Guaranteed

CY Standard Level Series

Revolution in Mass Measurement Quantity

Our Precision balance sets a new benchmark for mass measurement quality with the best weighing accuracy and $sd \leq 1d$ repeatability. We adhere to strict USP requirements (chapters 41 and 1251) to ensure the highest level of quality in our measurements.

Monitored Ambient Conditions

A unique ambient conditions monitoring feature is applied to supervise environmental conditions at the balance workplace.














Overload Protection

Monitor the built-in display for capacity tracking to prevent overloading the weighing cell.



Standard Level CY Series External calibration is the process of manually calibrating a balance with a predetermined mass.

13 Significant Features

- Mono-Tech 
- External Cal 
- GLP/GMP 
- Auto Off 
- Capacity Tracker 
- Over Load Prot. 
- IP 54 
- Connectivity 
- Opt. Connectivity 
- Windows Comm. 
- Levelling 
- Anti-Thief lock 
- Protective Cover 

GLP Documentation



Balance includes a built-in GLP Documentation feature for easy input of essential information. Ensures compliance with GMP/GLP/ISO regulations, even without printer connection.

Effortless Cleaning



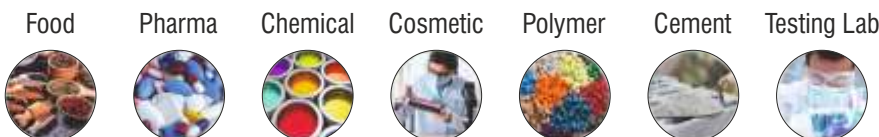
Effortless Cleaning The draft shields can be easily dismantled and assembled, making it really convenient to keep the balance clean and tidy.

Below Balance Weighing is ideal for



- Oversized objects that would not be able to easily fit/balance on the scale pan.
- Irregularly shaped objects that have a hard time lying flat.
- Hot or cold materials whose temperature coefficient would affect the electronics of the scale.
- Magnetic materials that would interfere with the sensor and inner workings of the scale

Application Industries



Standard Series	CY 123	CY 223	CY 323	CY 363	CY 423	CY 513
Maximum Capacity	120 g	220 g	320 g	360 g	420 g	510 g
Minimum load	0.02 g	0.02 g	0.02 g	0.02 g	0.02 g	0.02 g
Readability	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g
Repeatability	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g
Linearity (±)	0.002 g	0.002 g	0.002 g	0.002 g	0.002 g	0.002 g
Tare Range (Subtractive)	-120 g	-220 g	-320 g	-360 g	-420 g	-510 g
Minimum Weight (USP, 0.1%, typical)	1 g					
Minimum weight (U=1%, typical)	0.1 g					
Pan Size (mm)	128 x 128					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlit 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 / °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)	342.5 x 212 x 271 mm / Chamber Height 169.5mm					
Weight Approx	7.5 kg					

Standard Series	CY 623	CY 723	CY 1003	CY 2003	CY 3003
Maximum Capacity	620 g	720 g	1000 g	2000 g	3000 g
Minimum load	0.02 g	0.02 g	0.02 g	0.02 g	0.02 g
Readability	0.001 g	0.001 g	0.001 g	0.001 g	0.001 g
Repeatability	0.001 g	0.001 g	0.002 g	0.003 g	0.003 g
Linearity (±)	0.002 g	0.002 g	0.005 g	0.005 g	0.005 g
Tare Range (Subtractive)	-620 g	-720 g	-1000 g	-2000 g	-3000 g
Minimum Weight (USP, 0.1%, typical)	1 g				
Minimum weight (U=1%, typical)	100 mg				
Pan Size (mm)	128 x 128				
Response Time	2 - 3 Sec.				
Display	Alpha Numeric Backlit 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 / °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)	342.5 x 212 x 271 mm / Chamber Height 169.5mm				
Weight Approx	7.5 kg				

CY-DR Dual Range Series

Dual Range Series	CY 2202DR	CY 3102DR	CY 4102DR
Maximum Capacity	200 / 2000 g	300 / 3000 g	400 / 4000 g
Minimum load	0.02 g	0.02 g	0.02 g
Readability	0.001 / 0.01 g	0.001 / 0.01 g	0.001 / 0.01 g
Repeatability	0.001 / 0.01 g	0.001 / 0.01 g	0.001 / 0.01 g
Linearity (±)	0.002 / 0.02 g	0.002 / 0.02 g	0.002 / 0.02 g
Tare Range (Subtractive)	-2000 g	-3000 g	-4000 g
Minimum Weight (USP, 0.1%, typical)	1 g		
Minimum weight (U=1%, typical)	0.1 g		
Pan Size (mm)	128 x 128		
Response Time	2 - 3 Sec.		
Display	Alpha Numeric Backlit 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 / °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)	342.5 x 212 x 271 mm / Chamber Height 169.5mm		
Weight Approx	7.5 kg		

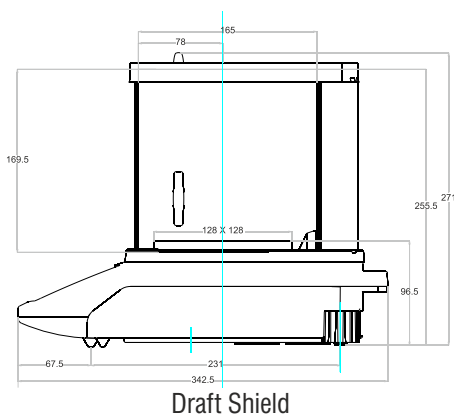
* Optimize performance based on installation location and environmental conditions for improved results.

Accessories

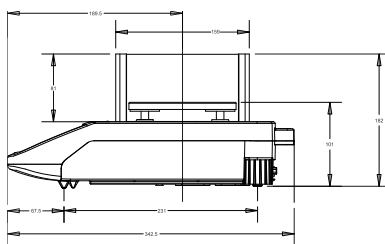
Data Printer - CPR 02 Dot Matrix
 Density Kit - CDK01
 Test Weight - E1, E2, F1
 Anti-Vibration Pad - VRD-03
 Battery Backup - LBA-X 01
 Remote Display - SRD - 01
 IQ, OQ, PQ Document - LBA-X 20
 Interface Cable - LBA-X 15
 Anti-Thief Lock - LBA-X 16
 Specific Gravity Stand - LBA-X 13.B

Software

21 CFR PART 11 PC Software



Draft Shield



Wind Shield

