

TOP PAN PRECISION BALANCE – 4100G X 0.01G

REF: CY4102
External calibration

11 Easy-to-use Built-in Applications



Piece Counting 

% Weighing 

Formulation 

Pipette - Check 

Animal Weighing 

Custom Unit 

Check Weighing 

Totalization 

Density 

Statistics 

Below Hook 

Top Pan Balances are a popular choice for various weighing procedures.
Perfect Measurements Guaranteed

CY Standard Level Series

Aczel is an excellent option to consider for routine weighing procedures. Its generous pan size and weight range make it perfect for a variety of tasks in educational laboratories, quality control, manufacturing, research, and fieldwork.

A top pan balance like Aczel is a great choice for applications where moderate accuracy and a simple weighing process are sufficient. A top pan balance is a balance that does not have a draft shield. The open weighing pan allows items to be added to the scale. Top loading balances come in a wide range of capacities and precision requirements, which is really impressive as they can meet all the needs of a laboratory, ranging from 310 g up to 8100 g with a readability of 0.01 g. They are an excellent choice for labs with varied needs.

 (601) 300 3161 + (57) 316 532 6905

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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



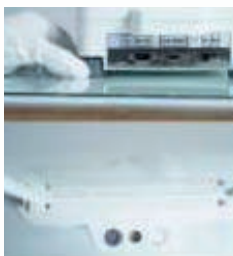
Easy-to-Read LCD Screen The balance is equipped with a large LCD backlit screen that ensures easy visibility in any lighting conditions. The backlit feature illuminates the screen, making it readable even in low-light environments.

Efficient Functioning



Versatile top-loading balances range from 310g to 610 g with a 128 x 128 mm pan size. Equipped with a glass draft shield chamber and wide-sliding doors for convenience in laboratories. The 1202 g to 8100 g balance has an open weighing pan, no draft shield.

Easy Leveling



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

Efficient Communication

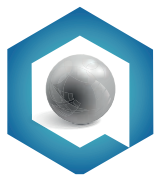


Features RS 232 communication, allowing for error-free documentation, ensuring accurate and reliable data transfer Pc or printer.

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Revolution in Mass Measurement Quantity

Our Top Pan 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.

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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.

GLP Documentation

20-Jul-23	10:35AM
Model	Aczel CY 224
Ser.no.	9223102
Ver.no.	rd.1.5.3
ID	1234567
LTD:	1111111
+	49.9999 g
+	249.9990 ct
+	1.761690 oz
+	49.9998 g
+	249.9990 ct
+	1.761690 oz
+	49.9999 g
20-Jul-23	10:36AM
Name:	



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.

Application Industries



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-Theft lock	
Protective Cover	

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

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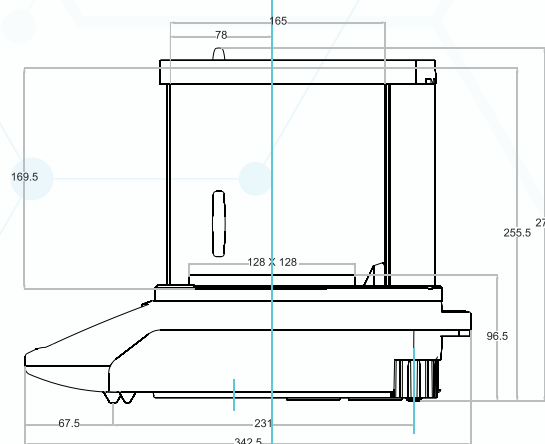
REF: CY4102
External calibration

Accessories

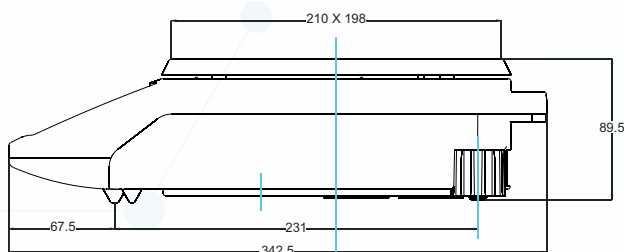
Data Printer - CPR 02 Dot Matrix
Density Kit - CDK01
Test Weight - E1, E2, F1
Anti-Vibration Pad - VRD-03
Battery Backup - LBA-X 01
Remote Display - SRD - 01
IQ, OQ, PQ Document - LBA-X 20
Interface Cable - LBA-X 15
Anti-Thief Lock - LBA-X 16
Specific Gravity Stand - LBA-X 13.B

Software

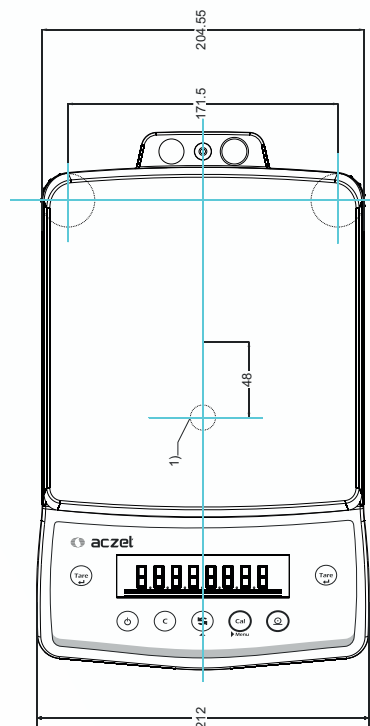
21 CFR PART 11 PC Software



Draft Shield



Open Pan



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Technical specifications

Parameters	Description
Maximum Capacity	4100 g
Minimum load	0.5 g
Readability	0.01 g
Repeatability	0.01 g
Linearity (+/-)	0.02 g
Tare Range (Subtractive)	-4100 g
Minimum Weight (USP, 0.1%, typical)	1g
Minimum weight (U=1%, typical)	100 mg
Pan Size (mm)	198 x 205
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 89.5 mm
Weight Approx	7.5 kg