



aczel®

...Since 1986

Complete Laboratory Catalogue



BETATEK INC.

Instrumentation Superbly Supported

L'instrumentation à son meilleur

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Solution Simplified

www.aczel.com



Precise Results Unrivalled in its Performance Class

No matter you are carrying out a simple routine task or a complicated weighing procedure, New Aczet Balances will impress you with their excellent performance, delivering accurate results within the shortest possible time, thanks to MonoTech and Perfect Self Automatic Calibration (PSAC).

The proven MonoTech weighing technology guarantees long operation life and extreme ruggedness, while PSAC automatically calibrates the balances using internal weights whenever changes in temperature affect the accuracy of your weighing results. For added security, you can configure PSAC to initiate self-calibration at specific time and every power on.

Built-in application programme other than basic weighing ease your routine lab work like,

-  Percent Weighing
-  Piece Counting
-  Totalization
-  Checkweighing
-  Statistic
-  Unit Conversion
-  Animal Weighing
-  Formulation
-  Density Determination
-  Weigh Below



EXCELLENT READABILITY

High Contrast Backlit LCD display is exceptionally easy to read under any room lighting conditions.

THE BRILLIANT MONO-TECH

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





Carat Balance

Has been designed to meet high requirement for measuring precious gems, with high readability of 1mili carat.

28-Jul-10	03:19PM
	ACZET
Model	CY 224
Ser.no.	9223102
Ver.no.	r0.1.5.3
ID	1234567

1 +	1.5750 g
2 +	2.3500 g
3 +	7.8950 g
4 +	4.1750 g

n	4
max	7.8950 g
min	1.5750 g
avg	3.9987
std	2.8169
var	7.9349

28-Jul-10	03:23PM
Name:

STATISTICS:

This smart feature enables the user to obtain the statistics of the data stored in the scale including details such as number of readings, minimum value, maximum value, standard deviation, difference and Coefficient of variance



Density Balance

Has been designed to measure density / specific gravity of solid material (Purity of Gold & Platinum in Karat).

20-Jul-10	10:32AM
	ACZET
Model	CY 224C
Ser.no.	9223102
Ver.no.	r0.1.5.3
ID	1234567

Calibration:	Internal

Start:	Manual
Temperature	29.449'C
Diff.	+ 0.0009g

Internal Cal Done	
Diff.	0.0000g

20-Jul-10	10:32AM
Name:

ISO/GLP Compliant Printouts:

Built-in real time clock Makes sure that the data are the true reflection of the test results & the data is traceable document in compliance to SOP's and GLP regulation for use in quality management systems.



ELECTROMAGNETIC COMPATIBILITY

Metal housing eliminates the effects of thunderstorms or electromagnetic inter-ference from other equipments.



EASY DATA TRANSFER

Only a single cable is required to transfer balance data to MSEXcel or other Windows application.

No troublesome interface attachment or software installation is necessary. This unique feature makes Aczet balance extremely convenient for data analysis.

Optional USB Interface also available on request at the time of order.



LABORATORY CALIBRATION WEIGHTS

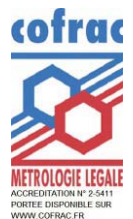
E1 / E2 / F1 / F2 Class



- According to OIML - R111-1-Standards.
- Outstanding Cost Performance Ratio.
- Quick Handling Time.
- Modern Calibration Methods Allow Exact Calibration.
- Results and Quick Processing Times.
- Calibrated by NPL / NABL / RRSL / Cofrac / NVLAP / Ukas (USA) Accredited.
- Complete Service Ranging from 1 mg to 50kg.
- E1 to F2 Class Weights with or without Certification.
- Higher Accuracy Metrological Weights.
- Material density of the weights is 8000kg / m³, air density is 1.2kg / m³ and measuring temperature is 20°C.



RRSL



E1 Stainless Steel Weights (Sets)		
Part No.	Mass Wt.	Certificate
103-01	1mg - 500mg	100-501
103-04	1mg - 200gm	100-504
103-05	1mg - 500gm	100-505
104-07	1g - 2kg	100-507
104-08	1g - 5kg	100-516

F1 Stainless Steel Weights (Sets)		
Part No.	Mass Wt.	Certificate
123-01	1mg - 500mg	100-535
123-04	1mg - 200gm	100-538
123-05	1mg - 500gm	100-539
124-07	1g - 2kg	100-541
124-09	1g - 10kg	100-551

E2 Stainless Steel Weights (Sets)		
Part No.	Mass Wt.	Certificate
113-01	1mg - 500mg	100-518
113-04	1mg - 200gm	100-521
113-05	1mg - 500gm	100-522
114-07	1g - 2kg	100-524
114-09	1g - 10kg	100-534

F2 Stainless Steel Weights (Sets)		
Part No.	Mass Wt.	Certificate
133-01	1mg - 500mg	100-552
133-04	1mg - 200gm	100-555
133-05	1mg - 500gm	100-556
134-07	1g - 2kg	100-558
134-09	1g - 10kg	100-568

Get extensive high resolution even when you weigh high capacity.



Large draft shield chamber, gives more space to the user, samples can be easily placed on the pan & also it gets accustomed to the interior temperature.

Optimal lighting conditions inside the draft shield, thanks to its nearly frameless all-glass design.



When accuracy counts

Analytical Balance



BALANCE DIMEN : 345 x 212 x 341 mm
 PACKING DIMEN : 470 x 310 x 500 mm

MODEL	CAPACITY	READABILITY	REPEATABILITY (SD)	LINEARITY	PAN SIZE (mm)	RESPONSE TIME	CAL
CY 314C	310 g	0.1 mg	0.2 mg	0.3 mg	90Ø	3 sec.	Internal
CY 224C	220 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	Internal
CY 124C	120 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	Internal
CY 64C	65 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	Internal
CY 224	220 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	External
CY 124	120 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	External
CY 64	60 g	0.1 mg	0.1 mg	0.2 mg	90Ø	3 sec.	External

Precision Balance



BALANCE DIMEN : 342.5 x 212 x 271 mm
 PACKING DIMEN : 510 x 410 x 330 mm

CY 223C	220 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	Internal
CY 323C	320 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	Internal
CY 513C	510 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	Internal
CY 723C	720 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	Internal
CY 1003C	1000 g	0.001 g	0.002 g	0.002 g	128 x 128	2-3 sec.	Internal
CY 123	120 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 223	220 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 323	320 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 423	420 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 513	510 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 723	720 g	0.001 g	0.001 g	0.002 g	128 x 128	2-3 sec.	External
CY 1003	1000 g	0.001 g	0.002 g	0.002 g	128 x 128	2-3 sec.	External

Top Loading Precision Balance



BALANCE DIMEN : 342.5 x 212 x 89.5 mm
 PACKING DIMEN : 510 x 400 x 260 mm

CY 2202C	2200 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	Internal
CY 3102C	3100 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	Internal
CY 4102C	4100 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	Internal
CY 6102C	6100 g	0.01 g	0.02 g	0.03 g	190 x 205	2-3 sec.	Internal
CY 3101C	3100 g	0.1 g	0.1 g	0.2 g	190 x 205	2-3 sec.	Internal
CY 4101C	4100 g	0.1 g	0.1 g	0.2 g	190 x 205	2-3 sec.	Internal
CY 6101C	6100 g	0.1 g	0.2 g	0.3 g	190 x 205	2-3 sec.	Internal
CY 8101C	8100 g	0.1 g	0.2 g	0.3 g	190 x 205	2-3 sec.	Internal
CY 1202	1200 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	External
CY 2202	2200 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	External
CY 3102	3100 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	External
CY 4102	4100 g	0.01 g	0.01 g	0.02 g	190 x 205	2-3 sec.	External
CY 6102	6100 g	0.01 g	0.02 g	0.03 g	190 x 205	2-3 sec.	External
CY 3101	3100 g	0.1 g	0.1 g	0.2 g	190 x 205	2-3 sec.	External
CY 4101	4100 g	0.1 g	0.1 g	0.2 g	190 x 205	2-3 sec.	External
CY 6101	6100 g	0.1 g	0.2 g	0.3 g	190 x 205	2-3 sec.	External
CY 8101	8100 g	0.1 g	0.2 g	0.3 g	190 x 205	2-3 sec.	External

High Capacity Precision Balance



BALANCE DIMEN : 517 x 302 x 130 mm
 PACKING DIMEN : 550 x 550 x 250 mm

CY 15001HC	15 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	Internal
CY 25001HC	25 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	Internal
CY 35001HC	35 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	Internal
CY 15001H	15 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	External
CY 25001H	25 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	External
CY 35001H	35 Kg	0.1g	0.1 g	0.2 g	400 x 300	2-3 sec.	External
CY 50001H	50 Kg	1g	1 g	2 g	400 x 300	2-3 sec.	External

-: Optional Accessories :-

CALIBRATION WEIGHTS (Single)



E2/F1/F2 class

REMOTE DISPLAY



SRD01

STATISTICAL PRINTER



CPR02

ANTISTATIC IONIZER



DENSITY KIT



CDK01



WORLD WIDE MARKETING
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