



aczel®

...Since 1986

Laboratory & Industrial
Weighing...



Solution Simplified

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Micro & Semi Micro Balances



The high precision weighing requirements in analytical testing and quantitative analyses in the pharmaceutical industry compel use of high-resolution balances that meet the minimum accuracy requirements of the US Pharmacopeia. This leads to the fact that weighing of less than 10 mg, micro balances often need to be used. micro balances fulfill the most stringent requirements offering highest level of safety reliability and conformity in terms of results.



Filter Weighing

Standard Features :

- Short Measurement times for weighing results save valuable time during each operation.
- The construction of micro balance with separate electronic modules and mechanicals system eliminates temperature changes and yields great repeatability.
- motorized glass draft shield triggered by with a wave of hand over infra red sensors help working with minimum sample size effortless and fast.
- It performs internal calibration and adjustment automatically with changes in ambient temperature by specific value on defined time interval has elapsed
- High contrast LCD Display with LED backlight ensures excellent readability. Standard RS 232C Interface. USB is Optional.
- Ultra precise weighing of filters with special metal draft shield.

Model	CM 2	CM 5	CM 11	CM 19	CM 5F	CY 265C	CY 65C
Capacity	2 g	5 g	11 g	19 g	5 g	60 / 210 g	65 g
Readability	1µg	1µg	1µg	1µg	1µg	0.01/0.1 mg	0.01 mg
Repeatability (+/-)	1µg	2µg	3µg	5µg	2µg	0.02/0.1 mg	0.01 mg
Linearity (+/-)	3µg	3µg	5µg	10µg	3µg	0.05/0.3 mg	0.02 mg
Pan Size (mm/inch)	15Ø / 0.59Ø				90Ø / 3.9Ø		75Ø / 2.95Ø

Analytical Balances



Aczet's CY / CY C Series Analytical Balances offers exactly right performance and convenient features that you need to accomplish for the most sophisticated weighing tasks.

Standard Features :

- High Contrast LCD Display with LED Backlight for easy veiwing.
- Standard RS 232C Interface. USB is Optional
- Hanger for Below Balance weighing.
- It performs internal calibration and adjustment automatically with changes in ambient temperature by specific value on defined time interval has elapsed thanks to Perfect Self Auto Calibration.
- Complies to GLP / GMP.
- Spacious draft shield interior.
- Unique & unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.
- Only a single cable is required to transfer weighing data directly to windows or MS office applications.

Statistic Calculation Function :

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.



Model	CY 301C	CY 224C	CY 124C	CY 64C	CY 224	CY 124	CY 64
Capacity	301g	220g	120g	60g	220g	120g	60g
Readability	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Repeatability (+/-)	0.2mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Linearity (+/-)	0.3mg	0.2mg	0.2mg	0.2mg	0.2mg	0.2mg	0.2mg
Pan Size (mm/inch)	90Ø / 3.54Ø						

Precision Balances



New and improved precision series incorporates unique and unequalled High end technology built to match the highest international standards.



Standard Features :

- High Contrast LCD Display with LED Backlight for easy viewing.
- Standard RS 232C Interface. USB is Optional
- Hanger for Below Balance weighing.
- It performs internal calibration and adjustment automatically with changes in ambient temperature by specific value on defined time interval has elapsed thanks to Perfect Self Auto Calibration in CY and CY-C Models .
- Complies to GLP / GMP.
- Unique & unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.
- Only a single cable is required to transfer weighing data directly to windows or MS office applications.

Statistic Calculation Function :

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.

Model	CY 223	CY 323	CY 513	CY 723	CY 1003	CY 223C	CY 323C	CY 513C	CY 723C	CY 1003C
Capacity	220 g	320 g	510 g	720 g	1000 g	220 g	320 g	510 g	720 g	1000 g
Readability	0.001 g	0.001 g	0.001 g	0.001 g	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	0.002 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	0.002 g	0.002 g	0.002 g	0.002 g
Pan Size (mm/inch)	128 x 128 / 5.0" x 5.0"									

Model	CY 6101	CY 8101	CY 1202	CY 2202	CY 3102	CY 4102	CY 6102	CY 2202C	CY 4102C	CY 6102C
Capacity	6100 g	8100 g	1200 g	2200 g	3100 g	4100 g	6100 g	2200 g	4100 g	6100 g
Readability	0.1 g	0.1 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g
Repeatability (+/-)	0.2 g	0.2 g	0.01 g	0.01 g	0.01 g	0.01 g	0.02 g	0.01 g	0.01 g	0.02 g
Linearity (+/-)	0.2 g	0.3 g	0.02 g	0.02 g	0.02 g	0.02 g	0.03 g	0.02 g	0.02 g	0.03 g
Pan Size (mm/inch)	195 x 195 / 7.6" x 7.6"									

Moisture Analyzer Balances

New MB Series Moisture Analyzer with HALOGEN Heating is mainly Designed on the basis of Time Saving Factory for universal use in Chemical, Pharmaceutical, Oil, Petroleum Industries also in Material Testing & Environmental Laboratories & in Sewage Treatment Plants.



Standard Features :

- Data memory up to 1000 data.
- Data can divided in to 40 methods or 100 batches.
- User can avail statistic method or batch wise.
- Facility or compile to method.
- PS 2 key board connectivity make it very user friendly operation.
- Password protection prevent unauthorized use of the important setting.
- 4 User ID configurable.
- ISO / GLP Calibration report for weight and temperature, also last successfully calibration report can be avail any time form the memory.
- Programmable customize print format.
- Alpha numeric keypad makes it easy to enter method name.
- Weight in assist helps user to do accurate measurements.
- Facility to add any insolvent before actual drying.
- Possible to configure stand by temperature between 30°C to 100°C.
- Highly flexible display for changing font, background and contrast.
- User configurable print interval during the moisture determination.
- Auto off, Auto keypad lock.

Model	MB 50	MB 120	MB 200	MB 54
Max Capacity	50	120g	200g	50g
Precision of readout mass	1mg	1mg	1mg	0.1mg
Precision of readout of moisture	0.001%	0.001%	0.001%	0.0001%
Repeatability (Sample 2g) (sd_)	0.05%	0.05%	0.05%	0.005%
Repeatability (Sample 10g) (sd)	0.02%	0.02%	0.02%	0.015%
Pan Size (mm / inch)	94Ø / 3.8Ø			

Industrial Precision Balances



Standard Features :

- It performs internal calibration and adjustment automatically with changes in ambient temperature by specific value on defined time interval has elapsed thanks to Perfect Self Auto Calibration in SSH-C.
- High contrast LED backlit LCD display is exceptionally easy to read under any room lighting conditions with digit size 15mm.
- RS 232C interface. (Optional USB interface)
- Standard under weighing hook
- EMFC Technology.

Model	CY 15001H	CY 25001H	CY 35001H	CY 50000H	CY 15001HC	CY 25001HC	CY 35001HC	CY 50000HC
Capacity	15 kg	25 kg	35 kg	50 kg	15 kg	25 kg	20 kg	50 kg
Readability	0.1 g	0.1 g	0.1 g	1 g	0.1 g	0.1 g	0.1 g	1 g
Repeatability (+/-)	0.1 g	0.1 g	0.1 g	1 g	0.1 g	0.1 g	0.1 g	1 g
Linearity (+/-)	0.2 g	0.2 g	0.2 g	2 g	0.2 g	0.2 g	0.2 g	2 g
Calibration	External Calibration				Automatic Internal Calibration			
Pan Size (mm/inch)	400 x 300 / 15.7" x 11.8"							

Desk Scales



Standard Features :

- Built in Rechargeable battery for continues user for 80 hours.
- Automatic, Large weighing display with digit height 25mm and LED backlit is exceptionally.
- Easy to read under any room lighting conditions.
- Selectable weighing units gm, kg, ounce, LB.
- Optional RS 232C data interface provides the ideal basis for communication.
- Splash proof ABS Plastic housing weighing platform is made of stainless steel rust proof.

Model	CZ 3	CZ 6	CZ 6H	CZ 15	CZ 15H	CZ 30	CZ 30 H
Capacity	3 kg	6 kg	6 kg	15 kg	15 kg	30 kg	30 kg
Readability	0.1 g	0.2 g	0.1 g	0.5 g	0.1 g	1 g	0.5 g
Repeatability (+/-)	0.2 g	0.3 g	0.2 g	0.3 g	0.2 g	2 g	0.6 g
Linearity (+/-)	0.2 g	0.3 g	0.2 g	0.3 g	0.3 g	2 g	0.7 g
Pan Size (mm/inch)	230 x 300 / 9.1" x 11.8"						

Standard Level Desk Scales



Features :

- Compact and space saving.
- Overload protection.
- 2,00,000 internal resolutions.
- LED 7 digit display for easy viewing.
- Inbuilt rechargeable battery for continuous use.
- Standard dual side or external display.
- 8 different weighing units.

Model	CG 302	CG 602	CG 1202
Capacity	300 g	600 g	1200 g
Readability	0.01 g	0.01 g	0.01 g
Repeatability (+/-)	0.01 g	0.01 g	0.01 g
Linearity (+/-)	0.02 g	0.02 g	0.02 g
Pan Size (mm)	118Ø		

Economy Scales

Standard Features :

- Backlit LCD Display
- Compact Size
- Concept of easy use
- Capacity bar graph
- Battery Operation
- Below Balance weighing
- Piece counting
- Percentage (%) Weighing
- Totalization



Model	CZ 153	CZ 602	CZ 1202	CZ 2202	CZ 601	CZ 1201	CZ 2001	CZ 3001	CZ 6001
Capacity	150 g	600 g	1200 g	2200 g	600 g	1200 g	2000 g	3000 g	6001 g
Readability	0.001 g	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Repeatability (+/-)	0.002 g	0.01 g	0.01 g	0.02 g	0.1 g	0.1 g	0.1 g	0.1 g	0.2 g
Linearity (+/-)	0.002 g	0.02 g	0.02 g	0.02 g	0.2 g	0.2 g	0.2 g	0.2 g	0.2 g
Pan Size (mm/inch)	120 / 4.7"				140 x 150 / 5.5" x 5.9"				

Electronic Densimeter

Archimedes Principle



Top precision model with density resolution at 4 decimal places for both Solid and Liquid. Easy operation, as same as the other models. Suitable for Plastic Pellets, Films, Rubber and Fabric and advanced material, and Liquid density in the field of Medical, Food and Chemical that need to be measured to avoid the error on the third decimal.

Optional Accessories



Liquid Density Kit



Data Printer



Test Weights

Model	CY 323GT	CY 613GT	CY 612GT	CY 3102GT
Scale Capacity	320 g	600 g	600 g	3100 g
Density Resolution (g/cm ³)	0.001	0.001	0.01	0.01
Feature	Solid	Solid	Solid	Solid
Weight in Air Pan Size (mm)	108 x 100	108 x 100	160 x 140	160 x 140
Weight in Water Pan Size (mm)	100 x 92	100 x 92	160 x 140	160 x 140
Power	A/C Adapter 230 V or 115V +/- 20% 50-60 Hz			
Weight	7.8 kg	7.8 kg	5.5 kg	5.5 kg

Platform Scales

Standard Features :

- Rechargeable internal battery as standard. Operating time approx. 80h.
- Large weighing display with digit height 25 mm with Auto High contrast LED Backlight makes it exceptionally easy to read under any room lighting conditions.
- Selectable weighing units gm, kg, ounce, lb housing design.
- Optional RS 232C data interface provides the ideal basis for communication.
- Washdown housing design.



MODEL	CTG 50B	CTG 60	CTG 60	CTG 100	CTG 200	CTG 300	CTG 500	CTG 500	CTG 1000	
Capacity	50 Kg	60 Kg	60 Kg	100 Kg	200 Kg	300 Kg	500 Kg	500 Kg	1000 Kg	
Readability	5 g	5 g	10 g	10 g	20 g	20 / 50 g	50 g	100 g	200 g	
Platform Size (mm)	400 x 400		500 x 500		600 x 600			750 x 750		900 x 900

Standard Weight & Weight Sets



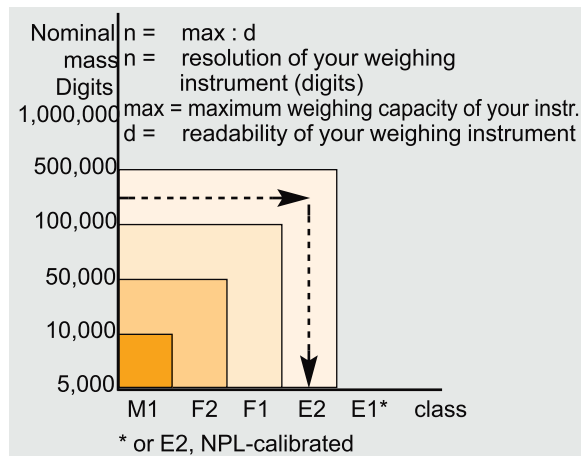
- A balance can never be more accurate than the test weight, used to adjust it, it depends on its tolerance.
- **Here's how to find the right test weight**
- Just determine the number of digits specified for your weighing instrument's resolution, then read off the particular accuracy class that your test weight must have on the graph provided below.
- The weight value of your test weight should be more than 80% of the maximum capacity of your weighing instrument.

Example : Suppose your weighing instrument has a capacity of 2,200g and a Readability of 0.01g. This yields 220,000 digits, which correspond to a class E2 test weight. Since 80% of 2,200 g is 1,760g, you need to round it to a weight value of 2,000g.

Single Weight

Mass Weight	Part No.		
	E2	F1	F2
1 g	117-01	126-01	137-01
2 g	117-02	126-02	137-02
5 g	117-03	126-03	137-03
10 g	117-04	126-04	137-04
20 g	117-05	126-05	137-05
50 g	117-06	126-06	137-06
100 g	117-07	126-07	137-07
200 g	117-08	126-08	137-08
500 g	117-09	126-09	137-09
1 kg	117-11	126-11	137-11
2 kg	117-12	126-12	137-12
10 kg	117-14	126-14	137-14

- According to OIML-R111 standard.
- Outstanding Cost Performance Ratio.
- Modern Calibration Methods Allow Exact Calibration and higher accuracy.
- Calibrated by NPL / NABL / RRSL / DKD (Germany) / NVLAP / UKAS (UAS) Accredited.
- E1 to M1 Class Weight with or without certification.
- Material density of the weights is 8000kg / m³, air density is 1.2 kg / m³, and measuring temperature is 20°C.



Weight Sets

Mass Weight	Part No.		
	E2	F1	F2
1mg - 500mg	118-22	123-01	138-22
1mg - 50 gm	118-02	123-02	133-02
1mg - 100gm	118-03	123-03	133-03
1mg - 200gm	118-04	123-04	133-04
1mg - 500gm	118-05	123-05	133-05
1mg - 1kg	118-06	123-06	133-06
1mg - 2kg	118-07	123-07	133-07
1mg - 5 kg	118-08	123-08	133-08
1mg - 10kg	118-09	123-09	133-09

Ultrasonic Milk Analyzer (Milk Pro+)

Features :

- Large graphic display.
- Peristaltic pump.
- No periodical calibration is needed.
- New ultrasonic sensor for higher precision and repeatability of the results.
- Bilingual menu.
- Memory for 50 measurement.



Model	Measuring Range	Accuracy
PARAMETER		
Fat	From 0.01% to 20%	± 0.08
Solid-non-fat (SNF)	From 3% to 40%	± 0.15
Density	From 1000 to 1150kg/m ³	± 0.3
Protein	From 2% to 7%	± 0.15
Lactose	From 0.01% to 20%	± 0.2
Added Water	From 0% to 70%	± 3.0
Freezing point	From -0.400 to -0.700±C	± 0.005
Sample Temp.	From 1±C to 40±C	± 1

TEMP. KIT



ALLUMINIUM DISH



CDP 50 Set of 50 Pcs

DENSITY KIT



STATISTICAL PRINTER (CPR02)



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