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Analytical Balance
CY-C Series

Reliable, precise, user-friendly

Analytical Balances First choices for the measuring smallest sample quantity.

CY-C Professional Level Series

11 Easy-to-use Built-in-Applications

Piece Counting

% Weighing

Formulation

Pipette - Check

Animal Weighing

Custom Unit

Check Weighing

Totalization

Density

Statistics

Below Hook

Analytical balances are essential tools in various scientific disciplines. Our analytical balances sound particularly impressive, with a wide range of capacities and a high level of accuracy that makes them an excellent choice for any analytical operation. It's great to know that with a readability of 0.1 mg and up to 400 g, I can trust that the measurements will be precise.

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.

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15 Significant Features

Feature	
Mono-Tech	SEN
Internal Cal	CAL INT
PSAC Cal	PSAC
External Cal	CAL EXT
GLP/GMP	GLP
Auto Off	Auto off
Capacity Tracker	CT
Over Load Prot.	OL
IP 54	IP IP54
Connectivity	PC RS 232
Opt. Connectivity	USB
Windows Comm.	WD Windows Direct
Levelling	LVL
Anti-Thief lock	ANTI
Protective Cover	P

Revolution in Mass Measurement Quantity
Our Analytical balance sets a new benchmark for mass measurement quality with the best weighing accuracy and sd ≤ 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.

Internal Calibration Professional Level CY-C Series
Motorized built-in weight internal calibration ensures precise weighing performance in any condition.

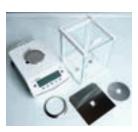**Environmental influence Professional Level CY-C Series**
The PSAC Cal. function ensures accurate measurements in any condition. It performs automatic internal calibration based on time or temperature changes to maintain precision.

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

Food   Pharma   Chemical   Cosmetic   Polymer   Cement   Testing Lab

Professional Series	CY 64C	CY 124C	CY 224C	CY 304C	CY 324C	CY 404C
Maximum Capacity	60 g	120 g	220 g	300 g	320 g	400 g
Minimum load	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Linearity ($\pm$)	0.2 mg	0.2 mg	0.2 mg	0.3 mg	0.3 mg	0.6 mg
Tare Range (Subtractive)	-60 g	-120 g	-220 g	-300 g	-320 g	-400 g
Minimum Weight (USP, 0.1%, typical)	160 mg					
Minimum weight (U=1%, typical)	16 mg					
Pan Size (mm)	90 Ø					
Response Time	2 - 3 Sec.					
Display	Alpha Numeric Backlit LCD Display					
Calibration	Motorised Internal Calibration					
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS					
Operating Temp.	18º to 30ºC					
Sensitivity Drift.	$\pm$ 2ppm (2 x 10 / ºC)					
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 341 mm / Chamber Height 239.5 mm					
Weight Approx	9.3 kg					

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

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