Technical Data

aczel®
...Since 1986



The Briliant Mono-Tech
Unique & Unequalled high end MONO-TECH technology (Weigh Sensor) to match the highest international standards.

Internal Calibration
Fully Automatic motorized internal built in weights Calibratio.

Perfect Self Auto Calibration (PSAC)
When the ambient temperature changes by a specific value or once a defined time interval has elapsed, it performs Internal Calibration.

Overload Protection
Capacity tracker built into display for easily monitoring possible overloads.

Excellent Readability
High-contrast, backlit display 15mm digits size is exceptionally easy to read under any room lighting conditions.

GLP
Built-in clock make all your documents ISO / GLP / GMP compliance.

Below Weighing Hook
Hook for weighing below the balance.

Automatic shut off
For power saving mode.

CY-C Series Semi Micro Balances

Professional Level

Model	CY 265C	CY 285C	CY 165C	CY 255C
Maximum Capacity	60 / 220 g	80 / 220 g	100 / 160 g	100 / 250 g
Minimum load	1 mg	1 mg	1 mg	1 mg
Readability	0.01 / 0.1 mg	0.01 / 0.1 mg	0.01 / 0.1mg	0.01 / 0.1 mg
Repeatability (sd)	0.02 / 0.1 mg	0.02 / 0.1 mg	0.02 / 0.1 mg	0.05/0.1 mg
Linearity (+/-)	0.04 / 0.2 mg	0.04 / 0.2 mg	0.05 / 0.2 mg	0.06 mg
Tare Range (Subtractive)	-60 / 220 g	-80 / 220 g	-100 / 160 g	-250 g
USP Minimum Weight	20 mg	20 mg	20 mg	30 mg
Pan Size (mm)	80Ø Grid pan			
Response Time	2 - 8 Sec.			
Display	Alpha Numeric Backlite LCD Display			
Calibration	Motorised Internal Calibration			
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS			
Operating Temp.	15° to 35°C			
Sensitivity Drift.	± 1ppm (1 x 10^{-6} / °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 Adapter, input 100 ~ 240 0.8A output 13V / 1.5A, 50 / 60Hz			
Compliance	ISO, GLP / GMP Compliance			
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height : 228.5)			
Weight Approx	8 Kg / 9.3 kg			

Typical minimum sample weight according to USP Chapter41

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CY-C Series Semi Micro Balances

Professional Level

Model	CY 205C
Maximum Capacity	210 g
Minimum load	1 mg
Readability	0.01 mg
Repeatability (sd)	0.01 mg
Linearity (+/-)	0.1 mg
Tare Range (Subtractive)	-200 g
USP Minimum Weight	20 mg
Pan Size (mm)	91Ø Grid pan
Response Time	2 -4 Sec.
Display	Alpha Numeric Backlite LCD Display
Calibration	Motorised Internal Calibration
Units of measure	gm, mg, ct, GN, mo, oz, dwt, t1T, t1H, t1S, mom, Bat, MS
Operating Temp.	5° to 40°C
Sensitivity Drift.	± 2ppm (1 x 10^{-6} / °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 Adapter, input 100 ~ 240 0.8A output 13V / 1.5A, 50 / 60Hz
Compliance	ISO, GLP / GMP Compliance
Balance Size (W x D X H) mm	342.5 x 212 x 341 / Chamber Height : 228.5)
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