Technical Data

aczel®
...Since 1986



**Design**
Micro Balance consists of two components - one containing the electronics and the other, the precise mechanical measuring cell, This separation eliminates the effects of temperature and the influence it has on the microbalance scale.

**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.

**Automatic shut off**
For power saving mode.



**Infrared Sensor**

**Infrared Sensor**
Automatic opening and closing of the glass shield doors

# CM Series Micro Balances

Professional Level

| Model | CM 2 | CM 5 | CM 6 | CM 11 | CM 21 | CM 31 |
|---|---|---|---|---|---|---|
| Maximum Capacity | 2 gm | 5 gm | 6.1 gm | 11 gm | 21 gm | 31 gm |
| Readability | 1 µg | 1 µg | 1 µg | 1 µg | 1 µg | 1 µg |
| Repeatability (sd) | 0.7 µg | 1 µg | 1 µg | 1.2 µg | 1.2 µg | 2 µg |
| Linearity (+/-) | 3 µg | 5 µg | 5 µg | 6 µg | 7 µg | 8 µg |
| Tare Range (Subtractive) | -2 gm | -5 gm | -6 gm | -11 gm | -21 gm | -31 gm |
| USP Minimum Weight | 2 mg | 2 mg | 2 mg | 2.4 mg | 2.4 mg | 4 mg |
| Pan Size (mm) | 15Ø ~ 30Ø | | | | | |
| Response Time | 8 - 10 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. | 18° to 30°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 | A/C Adaptor 230V or 115V / +/-20% 50-60Hz | | | | | |
| Compliance | ISO, GLP / GMP Compliance | | | | | |
| Balance Size (W x D X H) mm | Mechanical Box : 360 (L) x 140 (W) x 146 (H)<br>Electronic Box : 240 (W) x 210 (D) x 65 (H) | | | | | |
| Weight Approx | 10.20 / 14.70 kg | | | | | |

Typical minimum sample weight according to USP Chapter41