



VERTEX

ANALYTICAL (Indirect Loading) BALANCES **0.00001g to 300g**



HIGH PRECISION BALANCES (without motorized internal calibration) **0.001g to 1000g**



High Precision Balances incorporate advanced Electro Magnetic Force Compensation (EMFC) technology for offering unmatched accuracy and reliability, coupled with unique ADC circuit with inbuilt temperature compensation to offer a very high stability upto a resolution of 6 million counts. All adjustment parameters are programmable to take care of any minor mismatch of different sub assemblies & Balances are configured with these parameters.

FEATURES:

- **Backlite LCD Display**
Customized, large, attractive LCD with multiparameter display illuminated by white backlite.
- **Bi directional RS 232 interface**
RS 232 port with selectable baud rate 4800,9600. Various interface formats adopting this Balance in a setup to replace any other leading international brand Balance. Can be configured for an USB interface using optional RS 232 to USB converter.
- **GSM function**
GSM function for paper & cloth quality checking.
- **Multiple Weighing Units**
Grams, Ounces, Troy Ounces, Carats, Mommies, Pennyweights, Grains, tola, Mesghal, Chinese tael.
- **Percentage Weighing**
Display of Reference weight, sample weight, % of sample with respect to reference weight
- **Piece Counting**
Parts calibration using preset quantity of samples or programmable quantity. Automatic count correction for precise calibration.
- **Fill Mode**
1 set point - Indication when sample weight exceeds the set limit.
2 set points - Indication when the sample weight is between the lower & upper limits.
- **Accumulation**
Storage of maximum 200 samples.
- **Multiple Printing Mode**
0,1,2,3 modes for various formats. Pause in case data storage capacity in a Printer is less.
- **External Calibration**
Using preset weights.
Known weights can be corrected to + 15 counts.
- **Response Time**
User selectable - Slow / Normal /Fast.
- **Stability Band Width**
Stability indicator appears on display with counts variation + 1, + 2, +3, + 4.
- **Auto Zero Tracking**
User selectable 0,1,2,3
- **Return to Zero Tracking**
Variable: 0,1,2,3,4
- **Display Updation**
Speed setting : Fast / Normal.

Indirect Loading Analytical / Semi Micro Balances without motorized internal calibration

Models	CAS-44	CAS-84	CAS-164	CAS-234	CAS-304
Capacity	40g	80g	160g	230g	300g
Readability	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (±)	0.1mg	0.1mg	0.2mg	0.2mg	0.2mg
Linearity (±)	0.2mg	0.2mg	0.4mg	0.4mg	0.4mg
Pan Size(mm)	100	100	100	100	100

The balance is supplied with Breeze shield as standard.

Indirect Loading Analytical / Semi Micro Balances with motorized internal calibration

Models	CAI-35	CAI-44	CAI-84	CAI-164	CAI-234	CAI-304
Capacity	30g	40g	80g	160g	230g	300g
Readability	0.00001g	0.0001g	0.0001g	0.0001g	0.0001g	0.0001g
Repeatability (±)	0.03mg	0.1mg	0.1mg	0.2mg	0.2mg	0.2mg
Linearity (±)	0.05mg	0.2mg	0.2mg	0.4mg	0.4mg	0.4mg
Pan Size(mm)	80	100	100	100	100	100

The balance is supplied with Breeze shield & Internal motorized calibration as standard.

Optional Features

- Motorized internal calibration.
- RS 232 to USB interface converter.
- ISO GLP compliance.
- Real time clock (RTC).
- Density determination kit.
- Weigh below hook for density determination.
- Yarn count with temperature compensation.
- Denier measurement for silk & synthetic yarn.
- Cocoon assessment with statistical analysis for cocoons.
- Software for SQC (Statistical Quality Control) for Pharmaceutical Industries.

High Precision Balances without motorized internal calibration

Models	CBB-50	CAH-123	CAH-223	CAH-323	CAH-413	CAH-503	CAH-603	CAH-803	CAH-1003
Capacity	50g	120g	220g	320g	410g	500g	600g	800g	1000g
Readability	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g	0.001g
Repeatability(±)	0.001g	0.001g	0.001g	0.001g	0.001g	0.002g	0.002g	0.002g	0.002g
Linearity(±)	0.001g	0.001g	0.002g	0.002g	0.002g	0.002g	0.003g	0.004g	0.004g
Pan Size(mm)	100	100	100	100	100	100	125	125	125

The balance is supplied with Breeze shield as standard.

Optional Features

- RS 232 to USB interface converter.
- ISO GLP compliance.
- Real time clock (RTC).
- Density determination kit.
- Weigh below hook for density determination.
- Yarn count with temperature compensation.
- Denier measurement for silk & synthetic yarn.
- Cocoon assessment with statistical analysis for cocoons.
- Software for SQC (Statistical Quality Control) for Pharmaceutical Industries.
- Vacuum fluorescent display (VFD).

Software for SQC (Statistical Quality Control) for Pharmaceutical Industries.

SPECIFICATION:

Taring Range	Up to full capacity
Response time	3-5 seconds
Power Req	90-250V, 50/60Hz, 10 Watt
Operating Temperature	10 to 45 deg C

All Specifications and designs are subject to change for improvement.



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Actual product may differ in color and appearance due to constant development.