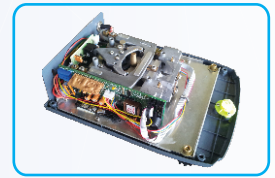


# HIGH PRECISION BALANCES (without motorized internal calibration)

## 0.001g to 1000g

**CONTECH** 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.



### Standard 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  $\pm 15$  counts.

#### Response Time:

User selectable - Slow / Normal /Fast.

#### Stability Band Width

Stability indicator appears on display with counts variation  $\pm 1, \pm 2, \pm 3, \pm 4$ .

#### Auto Zero Tracking

User selectable 0,1,2,3

#### Return to Zero Tracking

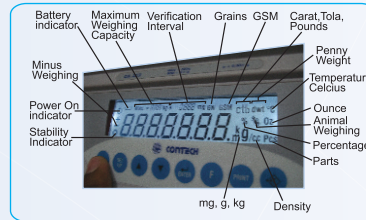
Variable: 0,1,2,3,4

#### Display Updation

Speed setting : Fast / Normal.

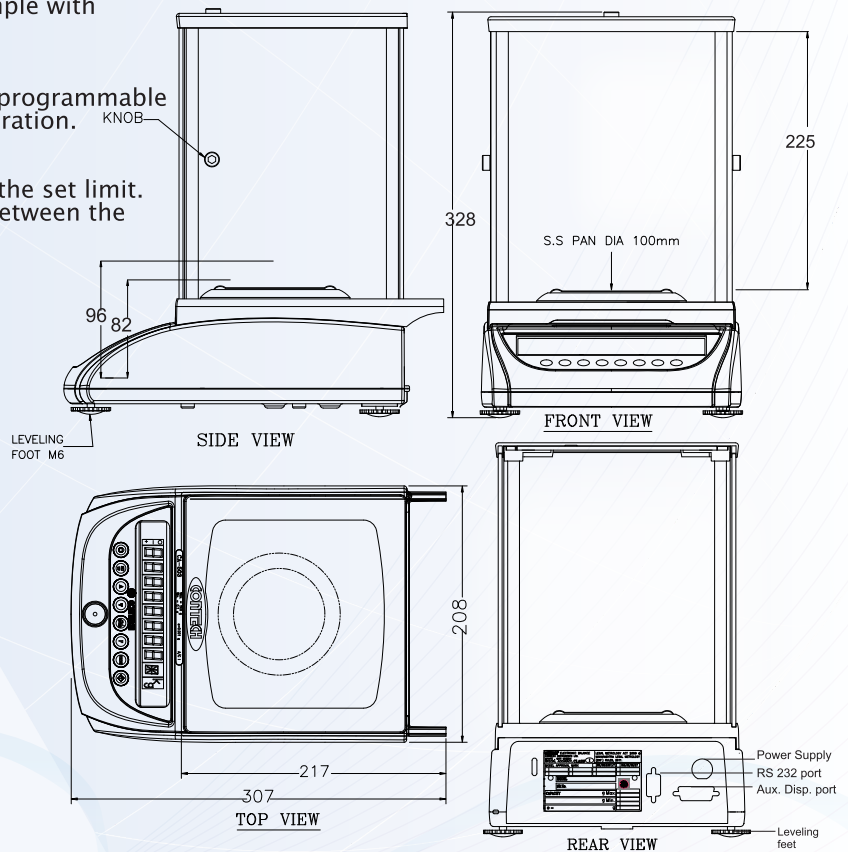
### Optional Features

- 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).



Customized, attractive LCD display

Advanced EMFC Transducer



### High Precision Balances without motorized internal calibration

Models	CAH-53	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.

### Specifications :

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.