ANALYTICAL (Direct Loading) BALANCES
0.0001g to 220g

**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 up to 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
- **Backlit LCD Display**
  - Customized, large, attractive LCD with multi-parameter 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, Mommes, Pennyweights, Grains, tola, Mesghal, Chinese taels.
- **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 Update**
  - Speed setting : Fast / Normal.

### 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.
- Vacuum fluorescent display (VFD).

### 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.

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