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Model 246 Balancing Instrument



The Model 246 automatic balancer brings a new level of accuracy and convenience to balancing rotating equipment on-site or on a balancing machine. Its small size makes it easy to transport and provides fast, accurate balancing by automatically calculating and solving single- and two-plane balance problems. The 246 features two shaft-synchronous digital tracking filters that allow you to balance to tolerance levels never before achieved. These narrow-band filters automatically reject interfering frequencies from the balance readings to enhance the accuracy of the averaged balancing corrections. The operator simply selects the rotor configuration from the pictured examples, enters the applicable trial weight data (amount, angle and radius) and follows the instructions displayed during the calibration runs. The display indicates when to start and stop the rotor and when to add or remove the trial weights. The balance corrections are instantly computed and shown in direct weight units.

Standard Technical Specifications:

- **Balancing Speed from 60 - 60,000 RPM**
- **Automatic, narrow band dual tracking filters with averaging**
- **Backlit supertwist LCD alphanumeric, 2 lines x 40 character per line**
- **Bargraph indication of the rate of change of vibration (stability)**
- **English or Metric units, selectable**
- **Calibration according to 3 step Influence Coefficient Program**
- **Display of displacement, correction (add or remove) and unbalance quantity**
- **Unbalance Quantity in g-mm, g-in, oz-in, grams or ounces**
- **Amplitude range - Displacement 0 - 5000 μm p-p (0 - 199 mils)**
  Velocity 0 - 228 mm/sec pk (0 - 9 in/sec)
- **Display dynamic or static/couple unbalance**
- **Add or Remove correction weight callout**
- **Automatic vector splitting or manual input for addition of correction weights**
- **Storage for 50 different rotors**
- **Current vibration data is saved in battery backed ram**
- **Print balance data on either internal 51mm (2 inch) printer or an external Epson printer**
- **Key and Tooling Compensation**
- **Customized Balance Reports**
- **Languages - English, German, French, Italian or Spanish**
- **Operates on 120 or 240 V AC or 12 V DC with optional battery pack**
- **415 mm Length x 300 mm Width x 125 mm Height (16.4 x 11.8 x 4.9 inches)**
- **Weight 6 Kg (13 LB.) without accessories**

Standard Configurations:

Part Number 00310	246 with accessories for a Balancing Machine
Part Number 00311	246 with accessories for Field Balancing

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