



Vibration Tester VM 110

There has been much talk of extending the PQ currently in place for Dissolution Testers to include vibration transmission tests. This talk has now come a stage further in that specifications are starting to appear as real figures.

We are pleased to be able to put you ahead of any official changes but adding a Vibration Meter to our range of test equipment. The vibration meter that we have chosen is an easy-to-use, hand held device which can take a reading from almost anywhere on the Dissolution tester. The main point of concern is at the dissolution vessel itself. We measure by using the supplied point probe between the vessel lip and the water bath cover. No real experience with this device is required in order to be able to obtain stable readings.

The VM 110 has the following specifications:

Hand Held Vibration Meter designed to measure the vibration intensity at various points on a dissolution bath, including the vessels.

The following measurements can be selected:

- Acceleration (g),
- Velocity (mm/sec) or
- Displacement (μm).

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Vibration Meter - Type VM 110

The operational frequency can be selected over 2 ranges, upper range: 5kHz, 10kHz and 20kHz, lower range: Acceleration 5Hz, Velocity 10Hz, Displacement 15Hz. The instrument is battery powered. Results are displayed on the LCD Display. An exchangeable external sensor is used to provide a signal proportional to the acceleration value. The unit comes with 1 hand held sensor.



Digital Thermometer (30-31007)

The digital Thermometer is used to calibrate and adjust the bath temperature of any Dissolution Bath or Disintegration Test Apparatus.

The Dissolution Media Temperature should be constant during a full run at 37.0°C or 32.0°C with a tolerance of $\pm 0.5^\circ$ for most applications.

It will be supplied with a calibration certificate showing the precision of the reading within the range of 30° - 40°C compared to traceable standard.



Digital Tachometer (30-31006)

Use a digital tachometer to measure the rotational speed of the Paddle or Basket Stirrers. The shafts should rotate smoothly with a tolerance of $\pm 4\%$ of the adjusted speed.

It will be supplied with a calibration certificate showing the precision of the reading within the range of 20-250 rpm. compared to traceable standard.

We reserve the right to make technical changes without any prior notice

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