

VPM Meter

Description:

The **Balmac VPM Meter** electronically measures and displays the vibration speed of rotary vibrators by transforming vibrations directly into Vibration-Per-Minute (VPM).

Using the VPM Meter operators and inspectors can with one hand quickly and accurately measure the rotary speed on vibrating equipment. The Vibrations-Per-Minute are directly measured with an accuracy of less than ± 5 percent.

Applications:

- Electric, Pneumatic, and Hydraulic Vibrators
- Internal and External Concrete Vibrators
- Vibrating Screens
- Vibrating Tables
- Vibrators on Bins, Hoppers and Railroad Cars.

Specifications:

VIBRATION SPEED RANGE:

1,200 to 19,999 VPM
20 to 333.3 Hertz

VIBRATION MINIMUM VIBRATION AMPLITUDE:

10 mils peak-to-peak at 1,200 VPM
0.12 mils peak-to-peak at 12,000 VPM

VPM METER DISPLAY:

4.5 Digit LCD with Low Battery Indicator

POWER:

Single 9-Volt Alkaline Battery

AMBIENT CONDITIONS FOR USE:

Maximum 95% Relative Humidity
 $+32^{\circ}\text{F}$ to $+122^{\circ}\text{F}$
 0°C to 50°C

VPM METER DIMENSIONS:

7.5 inch (H) x 2.4 inch (W) x 0.9 inch (D)
191 mm (H) x 60 mm (W) x 23 mm (D)

UNIT WEIGHT INCLUDING BATTERY:

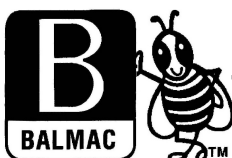
7.3 oz
208 grams



VPM Meter Operation:

Example: PORTABLE CONCRETE VIBRATOR

- [1] Start the Vibrator (in or out of concrete).
- [2] Hold the MEASURE button depressed.
- [3] Firmly hold the meter head (Red Tip) on the flexible cable approximately 1 inch above the Vibrator Head.
- [4] The display shows the Vibrations-Per-Minute.



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