



USER'S MANUAL
For the
BSZ700-1
Pen-Size Vibration meter

Metric version

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General

The BSZ700-1 is a vibration measurement instrument capable of measuring vibration velocity RMS caused by rotational and structural problems like imbalance, misalignment, looseness, bearing and gear problems.

Operation

- Push the BSZ700-1 tip on the object being measured while keep BSZ700-1 perpendicular to it (The pressure should be about 0.5—1 kg).
- Start the measurement by continuously pressing the “M” key.
- After releasing the key, the result of the last measured value will be held for about 40 seconds, and then BSZ700-1 will power off automatically.
- The upper limit of BSZ700-1 is 199 mm/s (RMS).
- The LCD will show if the vibration exceed the upper limit or vibration not stable.

Specification

- 1) **Sensor type:** Accelerometer
- 2) **Measurement Parameter:**
Velocity (unit: mm/s): True RMS Value;
- 3) **Measurement Range:**
Velocity:0.1 to 199 mm/s

4) **Frequency Range:**

Velocity: $10\text{Hz} \leq f \leq 1000\text{Hz}$

5) **Accuracy:** $\pm 5\% \pm 2$ digits

6) **Display:** 4 digits LCD

7) **Battery:** size 1/2 AA, 3.6V, operating current 4-7mA

8) **Battery capacity:** 100 hours continuously or 4000 times operation

9) **Operation Environment:** Temperature: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$, Relative humidity: <85%

10) **Dimensions:** $160 \times 25 \times 17$ (mm)

11) **Weight:** 120g (including battery)

Notes:

- Avoid intense impact, high temperature and put in water.
- If the BSZ700-1 has been used for over one year, please re-calibrate it to ensure the precision.

Warranty:

1 year but not include those caused by mishandling.