
Product name: SINO EMT220 Vibration Meter

Details:

• Vibration transducer:

Integral, annular shear type acceleration transducer (only for integral type) Separate, built-in electric charge amplifier, shear type acceleration transducer (only for separate type)

• Temperature transducer:

Type K thermoelectro couple transducer (only for EMT220 with temperature measuring function)

• Detector:

Root Mean Square

• Vibration measurement scale:

Displacement: 0.001 ~ 1.999 mm (peak to peak)
Velocity: 0.01 ~ 19.99 cm/s (r.m.s. value)
Acceleration: 0.1 ~ 199.9 m/s² (peak value)
Vibration acceleration: ≤ 199.9 m/s² (peak value)

• Temperature measurement scale:

-20 ~ 400 °C (only for EMT220 with temperature-measuring function)

• Accuracy:

Vibration measurement: ±5% Measurement value; ±2 Digits
Temperature measurement: ±1% Measurement value; ±1 Digit

• Vibration Frequency Range:

10 ~ 1 kHz (Normal type)
5 ~ 1 kHz (Low frequency type)
1 ~ 15 kHz (only at "HI" position for acceleration)

• Display: Digits liquid crystal display



• **Sample period:** 1 second

• **Vibration measurement value readout:**

Displacement: Peak to peak value (r.m.s. $\times 2\sqrt{2}$)

Velocity: Root mean square (r.m.s.)

Acceleration: Peak value (r.m.s. $\times \sqrt{2}$)

• **Readout-keeping function:**

Readout of vibration / temperature value can be remembered after releasing the Measure Key (Vibration / Temperature Switch)

• **Output Signal:**

2V AC (peak value) (load resistance above 10 k Ω at full measuring scale)

• **Power supply:**

6F22 9V laminated cell

• **Power on / off:**

Battery life about 30 hours for continuous use

Power up when pressing Measure Key (Vibration / Temperature Switch)

Power automatically shut off after releasing the Measure Key for one minute

• **Operating condition:**

Temperature: 0 ~ 50 °C

Humidity: $\leq 90\%$ RH

• **Volume:**

185 mm \times 68 mm \times 30 mm

• **Weight:** 200g