



## **MODEL-8100 PORTABLE VIBRATION CALIBRATOR**

- The Portable Vibration Calibrator is designed for checking and calibrating a vibration pickup or a vibration Meter easily in a factory or other operation fields, thereby providing the user with reliable data.

### **Composition**

|                               |            |       |
|-------------------------------|------------|-------|
| Portable Vibration Calibrator | MODEL-8100 | 1pc   |
| Portable case                 |            | 1pc   |
| AC Cable                      |            | 1pc   |
| Instruction manual            |            | 1copy |

### **Specifications**

Vibration Calibrator a part

|                           |                                              |
|---------------------------|----------------------------------------------|
| a)Dynamic rated force     | Maximum 9.8N volume into change              |
| b)Frequency range         | 5Hz - 5KHz                                   |
| c)Displacement, peak max. | 5mm P-P                                      |
| d)Movable mass            | 75g with in                                  |
| e)Flexure stiffness       | 400g/mm                                      |
| f)Distortion factor       | 80Hz, 500Hz 10m/s <sup>2</sup> to 2% with in |

Vibration meter a part

|                       |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| (a)Acceleration range | 0 - 199.9m/s <sup>2</sup><br>Resolution 0.1m/s <sup>2</sup><br>Limit of error 3% with in<br>(80Hz,10m/s <sup>2</sup> ,25 °C ) |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
|                          | Frequency response<br>5Hz - 5KHz                               |
| (b)Displacement range    | 0 - 1.999mmP-P                                                 |
|                          | Resolution 1μmP-P                                              |
|                          | Limit of error 3% with in<br>(80Hz,10m/s <sup>2</sup> ,25 °C ) |
|                          | Frequency response<br>10Hz-5KHz                                |
| The other specifications |                                                                |
| a)Ambient temperature    | 10-40°C                                                        |
| b)Power supply           | AC100V, 50Hz/60Hz                                              |