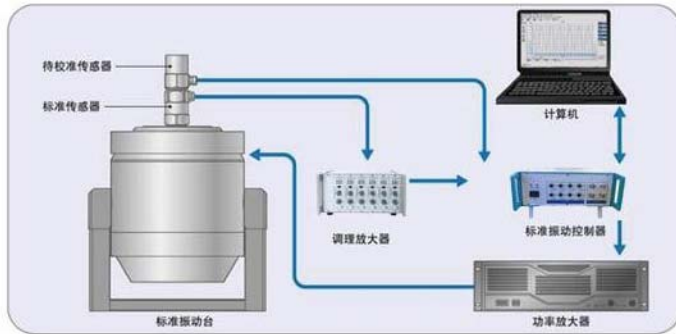


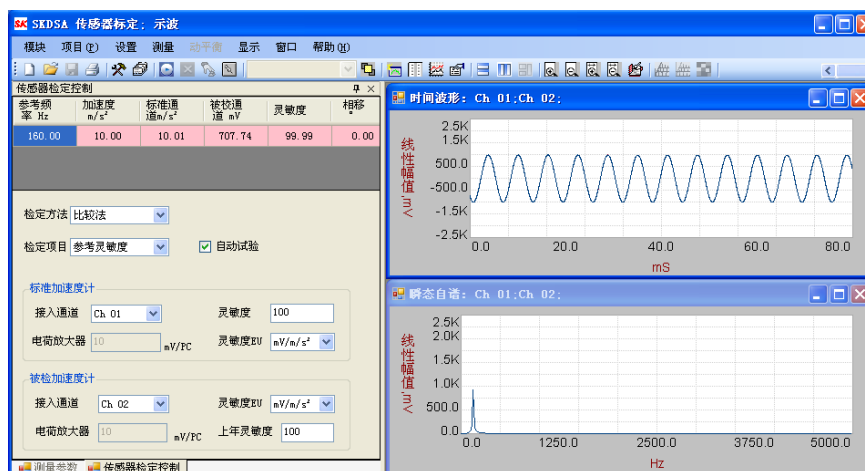
Verification system of Piezoelectricity Sensor or ICP Sensor



Features:

1. Accurate calibration each class accelerometer, for example, voltage type, charge type, IEPE type, TEDS type, and so on.
2. Use absolute method and comparison method to verify the Calibration method, such as fixed frequency sine method and auto step swept frequency method
3. High accuracy and wide dynamic range, the system uncertainty <math>< 1\%</math> when the reference frequency and acceleration are 160Hz and 100 m/s², respectively; the standard vibration controller VST can finish the vibration control of a standard shaking table, and the calibration process is user-defined; the system can automatically accomplish generation of high accurate vibration signal, signal sampling, analysis of signal, real-time monitoring and comparison, self-diagnoses, show of calibration result and report generation;
4. The detail Report with WORD or PDF format is auto generated after calibration, including sensitivity, linearity of amplitude, transverse sensitivity, stability of sensitivity, and so on.
5. The calibration function named 'substitution method' is provided, and the service life of standard sensor is extended.
6. The calibration for TEDS type sensor is provided, and the result is write into the sensor.

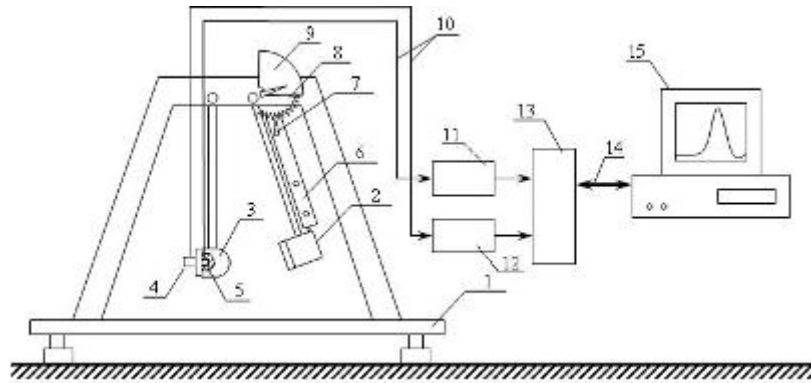
Verification report



VTSP8001 system

1 The Working Principle of device is based on the pulse amplitude impact acceleration controlled by Pendulum to verify the acceleration of the measurement sensor.

2 The structure is assembled on a stable platform, and the sensor is verified by special hammer and anvil. The impact acceleration is related to the height of the hammer. The impact duration is decided by the material of the hammer, such as aluminum, bakelite cloth or rubber.



1-- Installation Platform

2-- pendulum

3 - anvil block

4-- need to calibrate the sensors

5-- standard sensor

6-- pendulum arm

7-- fastening body

8 - Gear

9-- pointer

10 - Cable

11, 12 - measurement system

13 - Analysis System

14 - Communication Cable

15 - PC



Measuring range: m/s² 1000 ... 80 000

Acceleration accuracy: % ± 10

Test sensor quality: kg <0.2

Humidity: °C +18 ... +28

Humidity: 75% ...

Size L × W × H: mm 850x550x1250

Weight: kg 100