

TS-600

Vibration Signal Simulator



Introduction

The Vibration Signal Simulator is a portable device which can simulate vibration signals. It can be used to produce reference signal for calibrating vibration monitoring systems and vibration indicators.

Technical Data

Out put: 2 Sinusoidal Signal Frequency: 1 Hz to 1 KHz
 Amplitude: 1 m/s² to 250 m/s²

1 Square Signal Frequency: 1 Hz to 1 KHz Amplitude: 2.5 v

Phase 1° to 360°

The square signal is applied as a reference for the phase difference between two signals

Each sinusoidal signal can have independent phase and amplitude The frequency of sinusoidal and square signals are the same

* All settings are applied by keyboard

- · Generate a noise signal
- · Generate a phase difference between sinusoidal signals and tachometer
- · Swing frequencies with variable amplitude

Application

Simulate below plots:

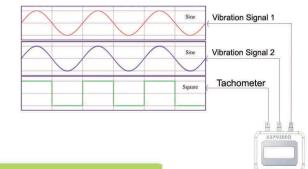
- Orbit
- Waterfall
- Order
- Bode and Nyquist

Physical and Electrical

- · Industrial Case
- · General characteristics

Display: 75*45 mm, 128*64 pixels Dimensions: 220*110*40 mm Weight: approx. 690 gr with battery

- · 1 battery charger input
- Rechargeable 1.8Ah Lithium battery
- · Charging time: < 5 hours (when battery is fully discharged)



Environmental

• Operating Temperature: 0 to 60°c