VCS 400

Vibration Control System

Note: Image shows example configuration

Applications

- vibration tests
- modal excitation
- production tests
- development and research
- micro-structural investigation

Benefits

- customized data export
- test scripts
- digital interface
- alarm monitoring
- synchronization options
- dynamic signal analysis

Features

- scaleable, flexible vibration control system with variable number of measurement/ control channels
- remote control via Ethernet interface or DLL
- real-time data acquisition, transmission and recording
- standardized hardware base
- controller for vibration test modes: sine, random
- control of acceleration, velocity, displacement, pressure, rotation, voltage and also with laser vibrometers

Technical Data

Sine	0.1 Hz ... 10 kHz
Random	1 Hz ... 5 kHz, 5 000 lines

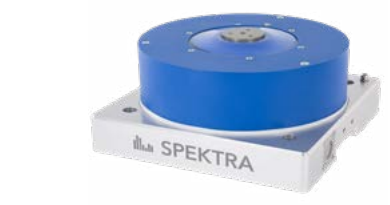
Configuration

- NI PXI Real time system in flexible configuration
- connection to PC via Ethernet
- powerful PC user interface (National Instruments LabVIEW), extensible by customer if necessary
- 2 to 8 analog inputs 16 Bit, 10 V
- 1 analog output 16 Bit, 10 V
- optional signal conditioning for charge sensors, PR sensors, capacitive sensors, IEPE sensors

Examples of suitable exciters

▲ *SE-13 Low Frequency Vibration Exciter*

▲ *APS 113 Long-Stroke Vibration Exciter*



▲ *SE-20 High Frequency Vibration Exciter*