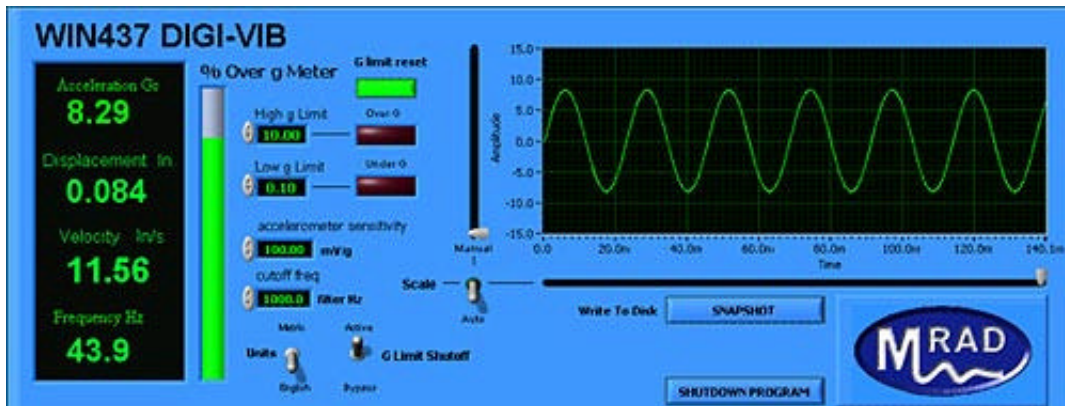




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Instrumentation

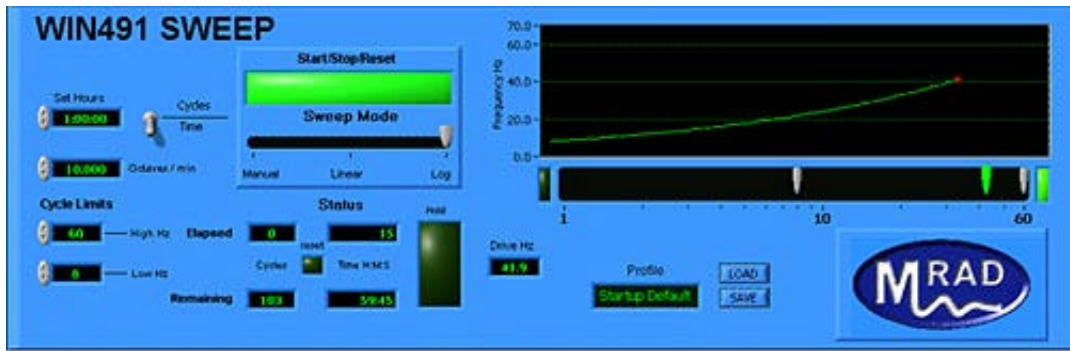
WIN437-491 Digital Instrumentation



The M/RAD Model WIN437 Digital Vibration Monitor is a PC based instrument that will instantly provide vital vibratory information including Acceleration, Displacement, Frequency and Velocity readout. Furthermore, specimen and shaker protection are supplied with over and under "g" limits which may shut down the machine upon activation. The monitor contains these functions in an Acquisition Card which is situated in a PC that uses a PCI slot. The accelerometer is interfaced with an M/RAD supplied Interface Box which is attached to the Acquisition Card. No accelerometer pre-conditioner or other laboratory instruments are required. Confidence and protection of the test specimen while vibration testing are assured.

- Over and under g test protection; user defined
- Acceleration, displacement, frequency and velocity display; real time
- User defined accelerometer sensitivities
- Ability to produce a hard copy
- Accelerometer with 10 foot cable.

- Interface with customer supplied PC
- Windows 95 or 98 OS



The M/RAD Model WIN491 Digital Vibration Controller is a PC based instrument that will sweep frequency between adjustable limits at variable linear and logarithmic rates. Its capabilities include:

- Ability to run logarithmic mode using db/time adjustment
- Ability to run in linear mode using frequency/time adjustment
- Infinite amount of sweeps with automatic shutdown
- Display digital count status of sweep cycle
- Ability to control frequency manually with click of mouse
- Ability to dwell at any point
- Adjustable profiles; user defined
- Display graphical log scale of performance over time; real time
- Ability to save performance as retrievable history and/or hard cop
- On/off control at PC

- Interface with customer supplied PC
- Windows 95 or 98 OS

NOTE that the WIN491 Controller may be supplied as:

1. Software to be used with the WIN437 Acquisition Board.
2. A stand alone controller with its own Acquisition Board. In this condition, the WIN437 Monitor may be added using software.