



Pimento Solutions

P-4090 DAC Support

The Pimento DAC support activates the pre-installed dedicated function generator of the Pimento hardware

With the Pimento DAC support, the function generator produces excitation signals (through Pimento's DAC output channel) that are commonly needed for a variety of stimulus and response signals, such as shaker test or normal mode testing. The high-performance digital signal process supports the generation of a variety of standard excitation signals such as true-random, burst random with variable burst length random, sine and swept sine up to a bandwidth of 20kHz. In this mode, the Pimento's DAC behaves as an advanced signal generator or oscillator in which the characteristics of the generated signal (white/pink noise types with upper/lower frequency limits, sweep span, frequency, amplitude, etc) can be defined.

Output signals from the function generator can be fully controlled through "start/stop" command buttons as well as synchronization of the response acquisition with the excitation force.

Key Features

- 24-bit D/A converters for a dynamic range of 108 dB
- Bandwidth up to 20kHz
- Random, burst random, sine, swept sine signal generation
- Slow start/stop

Product Requirement

- Pimento Front-end Driver (P-4400 / P-4410) and
- Pimento FFT analyzer (P-4000) or
- Pimento Modal shake (P-4030) or
- Pimento Octave analyzer (P-4040) or
- Pimento Order analyzer (P-4060) or
- Pimento Recorder (P-44070) and
- Pimento DAC support (P-4090)

