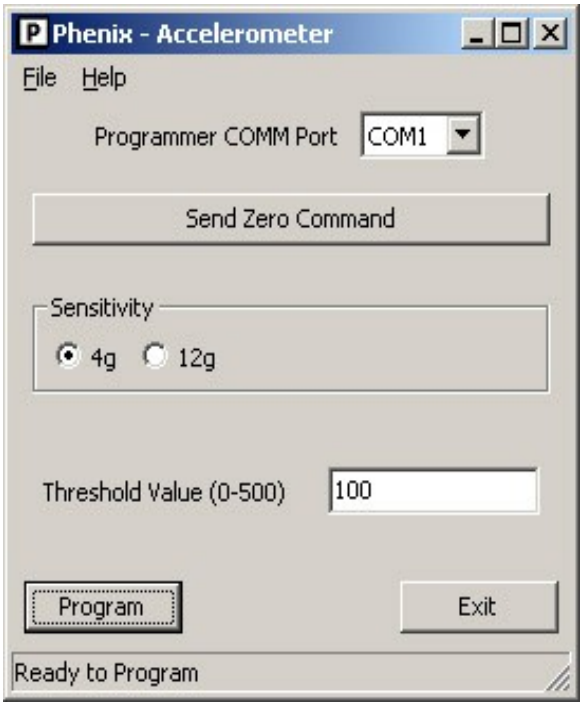
PHENIX

Accelerometer Programmer
Model 9234

Accelerometer Programmer Windows Application

DESCRIPTION

The 9234 Accelerometer Programmer PC application provides functions for zeroing and setting the sensitivity and threshold of Phenix accelerometer devices. The settings are transmitted to an accelerometer from a Phenix Programming Cable.



FEATURES

- Easy-to-use interface
- Zero Calibration Function
- Sensitivity and Threshold settings
- RS232 COMM port programming
- Window Compatible
- Linux Version Available

Programming the Accelerometer

Programming Procedure

1. Remove the cover screw from the IR port.
2. Apply power to the device
3. Aim the programming LED into the IR port.
4. Press the Zero Command or Program button. The device will blink an LED, confirming the transfer was successful.
5. Replace the IR port cover screw to prevent stray infrared from interrupting operation.

Selecting Programmer COMM Port

Select the COMM port attached to the Phenix Programming Cable. The application scans for available port when started. If a port is added, i.e. a USB COMM port cable is attached, restart the application to update available COMM ports.

Zeroing the device

The Send Zero Command instructs the accelerometer to use the current acceleration measurement as the Zero position. The Zero position is the point where the device is unaffected by any acceleration. The Zero position allows the device to properly determine if a positive or negative acceleration is measured. To calibrate the Zero position, place the accelerometer on a level surface and program the device using the Send Zero Command button.

Sensitivity and Threshold value

There are two available sensitivity settings: 4g and 12g. These values refer to a maximum guaranteed sensing range. The threshold value is the amount of acceleration experienced by the device before triggering the output. The amount of acceleration that corresponds to a threshold value changes relative to the sensitivity and differs slightly between devices.