

# PicoScope<sup>®</sup>

Three-axis accelerometer

## Vibration and Acceleration

Three-axis accelerometer and interface included  
Simply plugs into any PicoScope  
oscilloscope  $\pm 5$  g measurement range  
DC to 350 Hz frequency range



Designed for use with PicoScope oscilloscopes, compatible with most other oscilloscopes and data loggers

# PicoScope Three-Axis Accelerometer

## Connections

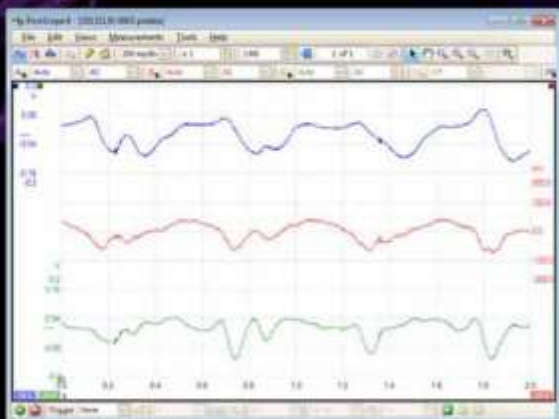
BNC connections  
to the oscilloscope  
or data logger



6 pin DIN plug for  
accelerometer connection

## PicoScope 6 software

It is easy to see the output of your three-axis accelerometer by connecting it to a PicoScope oscilloscope and opening our PicoScope 6 software.



## Kit contents

The PicoScope Three-Axis Accelerometer kit contains the following items:

- 1 x Accelerometer sensor
- 1 x Mounting magnet
- 1 x Sensor Interface
- 3 x BNC cables
- 1 x Quick Start Guide

## Specifications

Weight (Interface/Vibration Sensor)	120 g / 80 g
Dimensions	
Sensor Interface (inc. BNCs)	105 mm x 65 mm x 27 mm
Magnet (inc. fitted grub screw)	12 mm x ø18 mm
Battery (Lithium Primary Cell)	CR123(A) 3 V
Battery life (Shelf/Vibration mode)	10 years / 6 months
Maximum measurable acceleration	±5 g
Output BNC	0-2 V DC coupled
Vibration frequency (3 dB)	DC to 350 Hz
BNC overvoltage protection	30 V
Shock survivability (sensor head)	10,000 g
Temperature range (operating) Sensor head	-40-°C to 85 °C
Thread mounting (sensor)	1/4" x 28 UNF
EMC approvals	CE: Meets EN61326-1:2006
Output scaling	99 to 122 mV/g
0 g output (all axes)	0.85 to 1.15 V

## Ordering information

ORDER CODE	DESCRIPTION
PP877	Three-Axis Accelerometer Kit

[www.picotech.com](http://www.picotech.com)

Pico Technology  
James House  
Colmworth Business Park  
ST. NEOTS  
PE19 8YP  
United Kingdom

☎ +44 (0) 1480 396395  
☎ +44 (0) 1480 396296  
✉ [sales@picotech.com](mailto:sales@picotech.com)