PHOENIX DYNAMOMETER
GET YOUR MOTOR RUNNING

PD467 Accelerometer (Single Axis)

The Single Axis Accelerometer Kit comes furnished with all necessary components for RMS measurements of **Acceleration** and **Velocity** right out of the box. Every single component is designed for maximum flexibility and accuracy. The system is based on a differential capacitance MEMS accelerometer with analog output, delivering a wide band measurement and superior dynamic range (5 Hz-16 kHz).

The sensor housing is manufactured completely of stainless steel and is electrically isolated from the circuit. The interconnect cable is shielded with the shield connection passing through the panel mount connector to the signal conditioner.



The signal conditioner offers a wide operating voltage range 10-31 VDC.

The power source is galvanically isolated from the outputs. The unit offers two simultaneous analog outputs 0-10 VDC. One for **Acceleration measurement up to 49.5 g RMS**, and one for **Velocity measurement up to 594 mm/s [23.4 in/s] RMS in four jumper selectable ranges**. In addition, the signal conditioner offers overload, short-circuit, over temperature and electrostatic discharge protection.

Kit Inclusions:

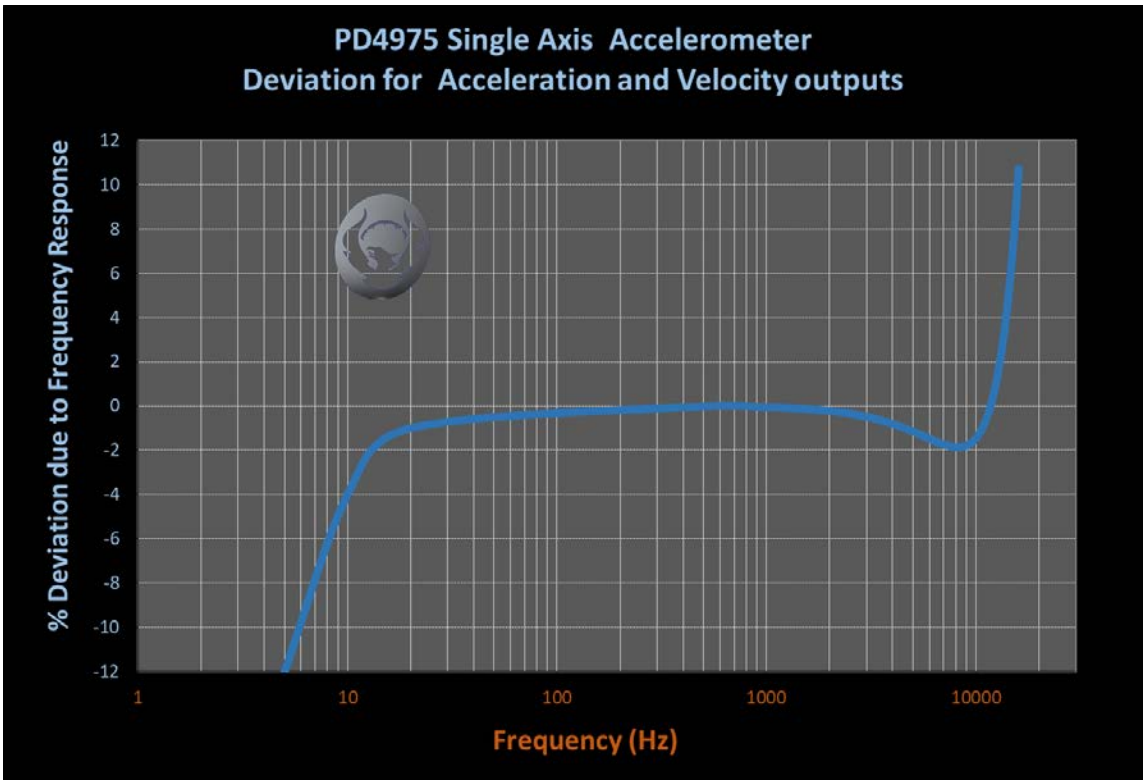
- Stainless Steel (ungrounded) sensor.
- Signal conditioner DIN rail mountable.
- Terminated interconnect shielded cable with molded ends 5 m [16 ft.]
- Panel mount receptacle with flying leads 1.5 m [5 ft.].
- Mounting stud ¼-28 UNF for permanent installations.
- Neodymium cup magnet 175 N [39 lbs.] holding force.
- Magnet mounting fastener.

Available On Request:

- Custom cable lengths
- Custom magnet sizes
- Custom Colors

* Values may change without notice. Always ask a Phoenix Dynamometer associate for current data and warranty information.

... because excellence is a habit!



- Available in combination of 02 and 04 complete kits