

## CMCP810PC Shaft Runout Measurement Kit (Laptop or PC Required)

### Features

- PC Based 2 Ch. USB Oscilloscope
- Software Included
- 16 Bit Resolution (0.6 mV in  $\pm 20$ VDC Range)
- Eliminates using a Bucking Amplifier
- Optical Phase Reference Kit
- Proximity Probe System
- -24 VDC Power Supply
- Two Magnetic Mounts
- Modified Vice Grips
- Hard Carrying Case
- Optional Gauss Meter



### Description

The CMCP810PC Runout Kit documents electrical and mechanical runout present on a shaft. Surface Irregularities, Electrical Runout, Residual Magnetism, and Residual Stress Concentrations can all contribute to shaft runout which will create erroneous readings for proximity or eddy probe systems.

American Petroleum Institute (API) Standard 670 recommends that "the combined total electrical and mechanical runout does not exceed 25 percent of the maximum allowed peak to peak vibration amplitude or 0.25 mil (6 micrometers), whichever is greater."

The CMCP810PC is the ideal tool to document these irregularities and confirm that the shaft surface is within desired specifications for proximity probes to observe. Using 16 bit resolution data is collected in the  $\pm 20$  VDC range eliminating the need for a Bucking Amplifier to offset Proximity Probe Gap Voltage. The stored waveforms can then be zoomed in on for measurement. The 16 Bit Resolution provide  $<1$  mV resolution.

The CMCP810PC is easy to use and understand as it makes use of a user supplied or optionally provided PC (Laptop) and a two (2) Channel USB Powered Oscilloscope Module. Basic "Runout" Setup is stored in the PC and easy to recall. Data files can be stored for later analysis, printing and transmittal.

### System Requirements:

Microsoft Windows XP (SP3), Vista, Windows 7 or Windows 8 (not Windows RT).  
USB 2.0 (compatible with USB 1.1 and USB 3.0; USB 1.1 not recommended)

**Ordering Information:**

<b>CMCP810PC</b>	<b>-XX</b>	<b>-XX</b>	<b>Runout Measurement Kit</b>
	-00		Without Integrated Laptop (PC)
	-01		With Integrated Laptop (PC)
		-00	Without Gauss meter
		-01	With Gauss meter

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