

## CMCP810SIM

### Electrical Runout Sensor Interface Module



#### Features:

- Battery Powered Sensor Interface Module
- Two Channels (Proximity Probe and Optical Sensor)
- Rechargeable 25.9 V, 2.6Ah Lithium Ion Battery
- -24VDC and +15VDC Sensor Power Source
- Adjustable DC Offset Voltage
- BNC Signal Outputs for Any Oscilloscope
- Optional Sensor Kit
- Optional Sensor and Accessory Kit

#### Product Overview

The CMCP810SIM Sensor Interface Module provides a single sensor and meter connection for Electrical Runout measurements. The CMCP810SIM features an internal 25.9 Lithium Ion battery pack which provides power to all the sensors needed for electrical runout measurements. A -24VDC output is provided for proximity probes and a +15VDC output for an optical phase sensor. The internal Bucking Amplifier allows the user to offset the DC gap voltage of the proximity probe, allowing the user measure runout with a stand alone or PC based oscilloscope by connecting to the BNC outputs.

#### Technical Performance

Power Source:	Internal 25.9V Rechargeable Battery
Battery Size:	2.6Ah
Charger Input Voltage:	110-240VAC 50/60 Hz
Charging Status Indicators:	Red = Charging Green = Charged or Battery Not Connected
DC Offset:	Adjustable
Offset Voltage Range:	0 to -8V
Proximity Probe Output Voltage:	-24VDC
Phase Sensor Output Voltage:	+15VDC
Proximity Probe Input:	4 Pin M12 (Signal, -24VDC, Common)
Optical Probe Input:	5mm Stereo Plug (Signal, +15VDC, Common)
Runout Signal Output:	BNC Jack
Phase Signal Output:	BNC Jack
Operating Temperature Range:	-67 to 158°F (-55 to 70°C)
Relative Humidity:	0-90% Non-Condensing
Sealing:	IP61
Case Material:	Extruded Aluminum
Dimensions:	6.5"x6.3"x2.03" (165x160x50 mm)

#### CMCP810SIM-00 Sensor Interface Module Kit Contents

- 1x CMCP810SIM Sensor Interface Module
- 1x Battery Charger

#### CMCP810SIM-01 Sensor Interface Module and Sensor Kit Contents

- 1x CMCP810SIM Sensor Interface Module
- 1x Battery Charger
- 1x 8mm Proximity Probe, 5m Cable
- 1x Proximity Probe Driver (200mV/mil)
- 1x M12 to Flying Lead Adapter
- 1x CMCP244-01 Optical/Laser Phase Sensor with Reflective Tape
- 1x Travel Case

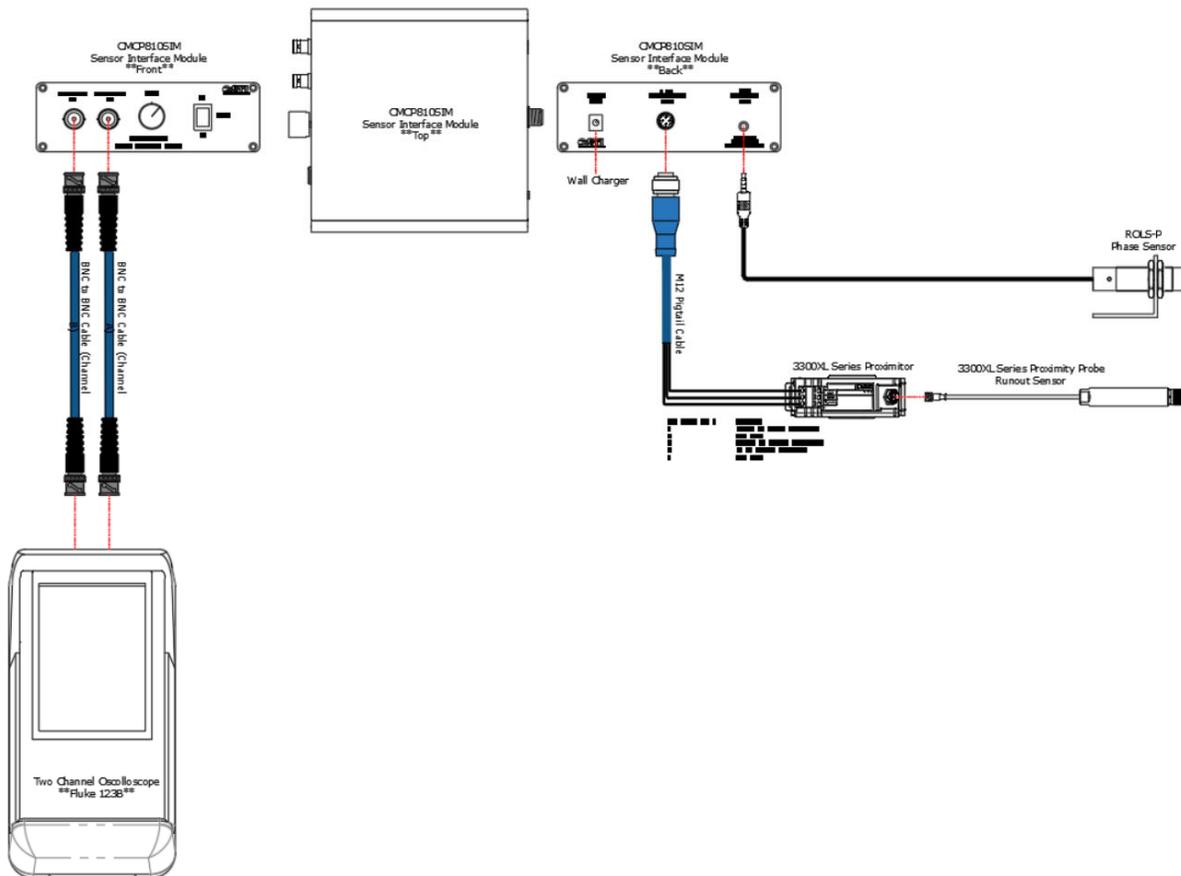
## CMCP810SIM-02 Complete Electrical Runout Kit Contents

- 1x CMCP810SIM Sensor Interface Module
- 1x Battery Charger
- 1x 6000 Series PicoScope (PC Based Oscilloscope)
- 1x 8mm Proximity Probe, 5m Cable
- 1x Proximity Probe Driver (200mV/mil)
- 1x M12 to Flying Lead Adapter
- 1x CMCP244-01 Optical/Laser Phase Sensor with Reflective Tape
- 2x 16' (5m) BNC to BNC Cable
- 2x Flexible Magnetic Arm Holder
- 1x Plastic Feeler Gauges (for Probe Gap)
- 1x Travel Case

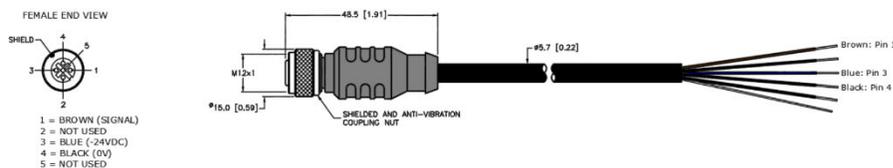
## Ordering Guide

CMCP810SIM	-XX	Description
	-00	Sensor Interface Module Only
	-01	Sensor Interface Module and Sensor Kit
	-03	Complete Kit with PC Based Oscilloscope, Cables, Accessories and Travel Case

## CMCP810SIM Setup



## M12 Output Connections



CMCP810S: Black Jacket CMCP805 Cable Pin-Out

Pin:	Wire Color:	Function:
1	Brown	Signal
2		
3	Blue	-24V
4	Black	Common
5		