

CMCP-TKPW Pocket Wobulator for Dynamic Signal Simulation



Features:

- Compact, Battery Powered Wobulator
- For Use with Proximity Probes
- 4140 Steel Wobble Plate
- 0-15 mil Dynamic Range
- Collets for English and Metric Probe Sizes
- Precision Dial Indicator Included
- Variable Speed (0-7,000 RPM)
- Tachometer and Key Phase Notch for Speed Probes
- Includes Travel Case, Battery Pack, Charger and Mounting Magnet

Product Overview

The CMCP-TKPW Pocket Wobulator is used to provide a calibrated mechanical vibration using a variable speed Wobble Plate. A precision dial indicator is placed in the probe shuttle and set at the desired amplitude. The dial indicator is then replaced with a proximity probe to simulate vibration signals. Both the proximity probe system and monitoring system can be verified by this method. The CMCP-TKPW's Wobble Plate is made from 4140 Steel, the standard material used for proximity probe calibration, and features a 0-15 mil dynamic range.

Pocket Wobulator Specifications:

Material:	Anodized Aluminum
Wobble Plate Material:	4140 Steel
Dynamic Range:	0 to 15 mils (0 to 381 Microns) Minimum
Dimensions:	5.0"x3.0"x3.0" (127x76.2x76.2mm)
Weight:	1.8 Lbs. (0.81kg)
Collet Sizes:	1/4", 3/8", M6, M8 and M11
Power:	22.2VDC Lithium Ion Battery
Mounting:	Handheld or Magnetic Base

Travel Case:

Dimensions:	12.0"x12.0"x5.5" (304.8x304.8x139.7mm)
Weight:	5.4 Lbs. (2.45) Loaded

Kit Contents:

Qty. 1	CMCP-TKPW Pocket Wobulator
Qty. 1	Lithium Ion Battery Pack
Qty. 1	Battery Charger
Qty. 1	Power/Charger Cable
Qty. 1	Dial Indicator with English and Metric Units
Qty. 5	Assorted Collets for English and Metric Probes
Qty. 1	CMCP-MB03 Magnetic Base
Qty. 1	Steel Plate for Table Mount
Qty. 1	Hard Travel Case



Dynamic Signal Simulation Instructions:

Insert the 3/8" collet into the shuttle.
Insert the dial indicator into the collet.
Lock collet in place using the brass thumbscrew.
Turn motor on at low RPM.
Adjust shuttle until the dial indicator shows the desired amplitude.
Use thumbscrew to lock shuttle into place.
Remove dial indicator and replace with proximity probe.

Key Phase (Speed) Simulation Instructions:

Insert a 1/4-28 threaded probe into the side bracket.
Turn motor on and adjust speed as required.
Probe will provide two pulses per revolution.

Ordering Information:

CMCP-TKPW Pocket Wobulator

