SKF
Condition Monitoring Custom Products
"Vibration Monitoring and Machine Protection Systems"
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Condition Monitoring Custom Products

CMCP601
Rotor Kit

The **CMCP601** Rotor Kits simulate the dynamic motion of a rotating machine in a compact, easy to use package. Ideal for class room or laboratory use, the rotor kit may be used to demonstrate vibration phenomena found in large rotating equipment.

The RDI-601 Rotor Kit allows you to alter parameters such as rotor speed and weight, and to induce malfunctions such as unbalance, shaft bow or rub, and misalignment. Results can be viewed on a variety of portable instrumentation or continuous monitoring systems.

The Rotor Kit comes in two versions:
A Short Base 18.5" (470mm) Kit and a Long Base 31" (787mm) Kit. Both versions come with a precision Speed controller which allows you to vary the RPM.

The kit can be supplied with an optional "Driver" mounting plate should you decide to instrument it with eddy current probes and may also be supplied with optional rolling element bearings. Although the standard kit is designed for 110V input, a 230V, 50 Hz version is available upon request.

Measurements may be obtained to study:

- Frequency Based Signals
- Time Based Signals
- Orbital Analysis
- Shaft Runout
- Shaft Bow
- Identify Rotor Critical Speeds
- Resonance Amplitude Factor
- Phase Analysis
- Balancing
- Shaft Relative & Case Absolute

- 110 Vac, 60 Hz, Variable Speed Motor
- Precision Speed Controller
- Mass with Holes for Balancing
- Bearing Pedestals Drilled for Accelerometer and Eddy Probes

Ordering Information:

CMCP Part Number				Description
CMCP601	-XX	-XX	-XX	
	01			Short Base
	02			Long Base
		00		No Driver Plate
		01		With Drive Plate
			00	No Ball Bearing
			01	With Ball Bearing

www.cmcpweb.com