



Email : sales@laboratoryinstrumentindia.com

Product Name :
Balance Of Reciprocating Masses

Product Code :
LBNY-0005-14000047



Description :

A robust support pillar fixes to a suitable table or bench(not supplied) with a low natural frequency. The pillar holds a cantilever that holds a model four-cylinder engine.

A bench- mounting model four-cylinder engine that shows primary and secondary forces and moments in reciprocating masses and how to balance them. The model engine has a crankshaft, connecting rods, bushes , pistons and a cylinder block. A separate Control and Instrumentation Unit (included) controls a motor that turns the engine crankshaft. This product is an excellent follow-on from the Static and Dynamic Balancing equipment.

Experiments:

Primary and secondary forces and moments for different crank settings.

Comparing calculated forces and moments with actual results.

The effect of adding additional mass to one or more pistons for any chosen crank setting.

Primary and secondary forces and moments in popular engine configurations - one, two and four cylinder.

Technical Specification :

Operating environment: Laboratory

Operating relative humidity range: 80% at temperatures Storage temperature range: 25C to +55C (when packed for transport)

Operating temperature range: +5C to +40C.

Laboratory Instrument India

