

Product Name :
Forces In Reciprocating Engines

Product Code :
TK557



Description :

Forces In Reciprocating Engines

Technical Specification :

Experimental unit to investigate oscillating and rotating mass forces and moments of a reciprocating engine with up to 4 cylinders Simulation of single, 2- or 4-cylinder engines Electronically commutated and speed-controlled drive motor with digital speed display Continuous adjustment of the angle between cranks Force sensors to measure forces and moments Vibration isolation using rubber elements and suitable tuning Technical data: Engine number of cylinders: 4 Piston mass: 40g Additional mass: 41g Crank drive Mass of connecting rod: 18g Center distance of cylinders: 35mm Crank radius: 15mm Length of connecting rod: 70mm Measuring ranges: speed: 100...3000min⁻¹ force: 0...500N 230V, 50Hz, 1 phase 230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase Dimensions and weight: L x W x H: 420x370x350mm Weight: 40kg L x W x H: 230x230x80mm (display and control unit) Weight: 1kg Software for data acquisition via USB under Windows 8.1, 10

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