

Product Name :
Computerized Cam Analysis

Product Code :
ENGLABINGCAG320002



Description :

Computerized Cam Analysis

Technical Specification :

FEATURES:

Comparison of the elevation curves of different cam-member shapes
Comparison of elevation curves with theory
Four different cam members, two different engaging members
Influence of spring stiffness and mass on the dynamic behavior
Determine the limit speed and compare with theory
Influence of moving mass on the motion of cam member/plunger
Influence of return-spring stiffness and preload on the motion of cam member/plunger
Record elevation curves of cam mechanisms

SPECIFICATION:

Cam-shaped cam members: tangent cam, hollow cam, 2 circular arm cams with different head radius
2 different engaging members: flat receiver with plunger or rolling receiver with plunger
3 interchangeable return springs and spring preload Oscillating mass can be increased with 5 additional weights
Optical speed sensor
Transparent protective cover for safe operation
Recorder: toothed belt drive

Drive motor :

DC asynchronous motor with frequency converter

Power: 250W

Speed: 60...670min⁻¹

Cam-shaped cam member :

Stroke, each: 15mm

Opening angle, each: 140°

Spring stiffness :

Hard: 5,026N/m

Medium: 2,601N/m

Soft: 613N/m

Masses :

Additional masses supplied with different weights

Power required for operation :

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase



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