

Product Name :
Six Axis Platform System

Product Code :
NLAB-TECHNICALAB30021



Description :

Six Axis Platform System

Technical Specification :

Study of the components and the assembly of a dynamic linkage.

System analysis, modelling and control.

Study of the behaviour of.

Mechanical systems: geometry, kinematics, statics and dynamics, structures.

Control: position servos, accuracy, speed, stability, feedback.

Use of the software allows the following to be investigated :

Simulation of various system architectures.

Control systems for outputting signals to the actuators in order to reach a specific position or to follow a specific path.

Presentation of data in graphical form.

Monitoring of laboratory experiments.

Technical Specifications of Six Axis Platform System

Actuator :

Closed length: 340 mm.

Stroke: 140 mm.

Maximum speed: 30 mm/s.

Unloaded max. speed: 7500 rev/min.

Maximum load: 3 kg.

DC motor voltage: 0-12 v

I/O Interface Board :

16 analogue input channels.

6 analogue output channels.

2 logic outputs.

I/O resolution: 12 bit

Axis Board :

R and q for the 6 platform axes.

R and q for the separate actuator.

Integral low voltage supply.

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