

Product Name :
Basic manipulator– ROBOT

Product Code :
CE499



Description :

Basic manipulator– ROBOT

Technical Specification :

Basic manipulator– ROBOT

Training Objective

Basic manipulator developed for teaching, demonstration, practical training and planning according to the mechatronic, automation and information technology principles. Through this product, it is possible to understand the mechanical structure of the robots used in the industrial sectors, to design and execute debugging procedures for the control of the system and to analyze and solve problems that occur in an actual operating process. Based on the order code, it is possible to change the control unit choosing between a microcontroller or a PLC.

Experiments:

Software programming–learning

Single axis control

6-axes combined control (MIC)

3-axes combined control (PLC)

Building blocks

Soldering simulation

6-axis connection controlled by MIC

3-axis connection controlled by PLC

Servo driven axis, long term

Position accuracy: 0.1 degree

Power supply: single-phase by network
Axes range: 1° axis: 180°
2° axis: 180°
3° axis: 145° and 4° axis: 180°
5° axis: 180°
6° axis: Adjustment of the clamp
Work range: 400mm
Max. speed per axis: 180 degrees/s
Max. load: 250 g

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