Product Code . EL-CTM-11744

Robotic Arm

Description

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An industrial robot with five joints closely resembles a human arm.

Study of Robotic Arm is a combination of physics, mathematics, mechanical, electronics, structural engineering and computer science.

It has the equivalent of a shoulder, an elbow, and a wrist.

Robotic arm has a vital role in industrial development.

Robotic Arm is versatile training equipment for all robotics enthusiasts to understand the very basic concept of robotics.

The robotic arm can be controlled by software or control panel.

Control panel has LCD, switches, home sensor LED, a connector for external interface with DIP switches and USB interface.

From software, the user can control each DOF individually through a mouse click or keyboard.

Programming a robot was never so easy before our software where the user can write instructions in

editor window which after compiling can directly download into the processor of a robotic arm for defined Automation Task.

Study of Stepper motor, Servo motor, DC Motor and feedback control system.

Can be controlled by a computer.

Easy instruction programming editor for Programmable tasks.

Optional interfacing with PLC.

Easy steps for programming robotic Arm.

Each servo can be controlled individually by giving start angle, stop angle and speed.

Each axis can be controlled individually.

Can be operated from the 8-bit microcontroller to ARM processors.

Ample work area.

Touch operated ON/OFF switch.

Auto set to the home position.

The user can develop own applications.

Self-contained and easy to operate.

Data acquisition using USB.

User-friendly software.

Exhaustive course material, references and Demo Programs.

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