



The X-Y position control system module gives provision to interface PLC with two axis displacement and speed control.

#### Features

- Controlled by PLC
- Active area min.200mm\*200mm
- Capable to draw shape such as straight line, inclined line, rectangle, square, pentagon, hexagon.

#### Experiments

- To draw straight line, inclined line, Square, Rectangle, Triangle, Hexagon, Pentagon with the help of PLC
- ladder program & XY position control module.

#### System Dimension

- Control Panel: 1.5Ft (L) X 1Ft. (W) X 1Ft. (H)
- X-Y Platform: 1.5 ft (L) × 1.5 ft (W) × 0.5 ft (H)

#### Services Required

- Electric Supply of 1φ 230 VAC motor.

Technical Specification		
No.	Item Name	Technical Specifications
1	Bidirectional Stepper Motor	10 Kg/cm <sup>2</sup> , Shaft Length: 20.6 mm, Shaft Diameter: 6.35 mm. Electrical with actuator driven mechanism with paper and pen arrangement.
2	Horizontal Platform	200 mm × 200 mm
3	Bipolar Stepper Driver Card	Motor supply voltage: 24 VDC, auto / manual, enable – disable and direction selection facility, angular rotation / pulse: 1.8° / 0.9°
4	PLC	Micrologix 1200 / Equivalent Digital inputs- 14, Digital outputs- 10 (Relay- 5, FET- 4, High Speed- 1). PC interface facility, PC-PLC interfacing cable. Ladder Programming Software.

Note: Specifications are subject to change.

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