



PLC BASED X-Y POSITION CONTROL MODULE

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

Technical Specification:-

No.	Item Name	Technical Specifications
1	Bidirectional Stepper Motor-	10 Kg/cm ² , 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.

Range of experiments-

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

Features-

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

SAP E & C PLC BASED X-Y POSITION CONTROL MODULE
(PRODUCT CODE: PCST – 45)



System Dimensions-

- ❖ **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.

Note-

All descriptive matter and illustrations are intended to give only a general idea of the equipment Detailed specifications may be altered at the company's discretion without any notice.

