

## Model 521 Joysticks

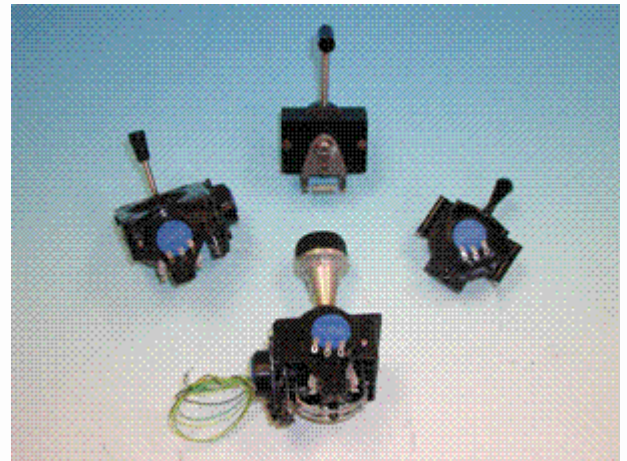
A two axis, precision, potentiometer-based displacement, fingertip operated control designed specifically for applications which require a precision joystick. Standard joystick produces analog output with voltages proportional to angle of joystick vs. input voltage.

### Applications:

- Robotics
- Construction Equipment
- Hydraulic Controls, Forklifts
- Conveyor Systems
- Video Arcades
- Medical Surgery/Cursor
- Security Cameras, Video Cameras
- Vehicle Control, Flight Control
- Remote Operated Vehicle (ROV) Control
- Electric Wheelchairs
- Hoists, Cranes, Industrial Processing
- X-Y Inspection Table
- Scientific Instrumentation



**Model 521**



**Model 521**

**521P/523**

**Model 520**

### Technical Info:

- Weight: 0.4 lbs. (.18 Kg) Nominal
- Depth: 1.70" Max Below Panel
- Width: 2.69" Max to Potentiometer in (2) places
- Height: 1.60" Above Panel
- Operating Temperature: 0C to +50C
- Seal: Drip Proof, Moisture Proof with Boot Seal Option
- Breakout Actuating Force: 6 Ounces (.1 Kg) Nominal
- Full Scale Output Force: 10 Ounces (.23 Kg) Nominal
- Angular Travel: 27 Degrees, Spring Return to Center
- Null Repeatability: 0.5% to Center
- Linearity: +-5%
- Resistance: 5K Ohms at full travel
- Life: Minimum 1,000,000 Cycles

### Options:

- Model 521 – Standard Two Axis
- Model 521P – Standard Two Axis with Pushbutton

### Features:

- Lightweight Thermoplastic Construction
- Precision metal Gimbal components
- Spring Return to Center
- Hi-Reliability Potentiometers (5K Ohm resistance)
- Trim Controls for each axis
- Silver Bezel standard
- Low Cost

Refer to Options Matrix for more options

