

F-16 Side Stick Controller

Part #100-20-1001

Aerotrionics' Side Stick Controller (SSC) is designed to have the same form, fit and function as the flight controller used in the F-16 fighter. Designed to accept the cast aluminum Aerotrionics flight grip (Part # 100-F0-1003) or an F-16 production grip, the Aerotrionics SSC is ergonomically identical to the F-16 and provides a simple USB interface.



Electrical/Force Characteristics

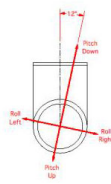
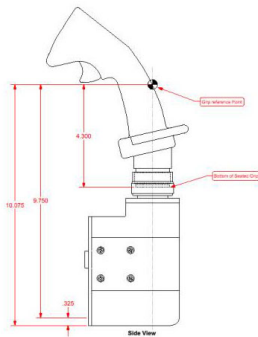
- Standard configuration has a pre-programmed linear response for the pitch and roll axis that spans a DC output range of +0.5 Volts to +4.5Volts
- Center no-load voltage is 2.5 volts
- Forces applied to the grip will translate directly to a linear voltage
- Asymmetric grip displacement mimics actual F-15 Block 52 transducer mechanical movement

Load Range Sensitivities

- Pitch axis sensitivity set to 25 lbs. standard configuration
- The roll axis sensitivity is 17 lbs. left and right
- At customer request, load range sensitivities can be changed

Electrical Specifications

- 9-Pin Male DB-9
- USB Interface (250 updates per second)



Mounting Specifications

- 4 Front mounting holes allow mounting into standard F-16 Right Auxiliary Panel
- 4 Bottom mounting holes for fitment into a desktop environment



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Aerotrionics LLC
210 Jupiter Blvd. #5105
Jupiter, FL 33458

Fax: 561-743-2011
E-mail: sales@aerotrionicsllc.com
www.aerotrionicsllc.com

