



blue mountain avionics

Product	EFIS Lite Generation 3, All EFIS prior to Gen 4	
Release	ALL	
Subject	Altimeter Calibration	
Original	08/01/2007	Larry Romig

Gen 3 Altimeter Calibration

Boot the EFIS and plug in the programming keyboard.

Use the ESC key to get to the blue mountain command shell menu.

Go to Sensor calibration.

Find the sensor calibration page for the altimeter (Process to calibrate airspeed is the same).

Connect the pitot static equipment.

A normal pitot static check will calibrate from -1000 feet to the service ceiling of your aircraft.

On the altimeter calibration page for the unit there will be a box labeled "Current Readings". Within that box are two windows, one called AD and called Display. You'll need to pay attention to the window labeled AD. This count will change for every altitude value generated by the avionics technician and it will need to be recorded. I recommend recording this information on paper first and transferring to the calibration array later.

The avionics tech will generate an altitude with the PS equipment, let's say 1000 feet.

Let the PS equipment stabilize and the AD counts stabilize. Once these numbers have stabilized record the altitude number with the corresponding AD number.

The avionics tech will now move to the next altitude let's say 2000 feet, allow the numbers to stabilize and record the new AD number with the new altitude.

Repeat this process until there is enough data to complete the array.

Take the recorded information and enter it into the calibration array and you will have new data. I suggest doing all of the altimeters and airspeed indicators in the airplane at the same time.