

Talks Tech Ten – Podcast 45 Flight Instruments 1

Q1: Where and when is Radio Altitude displayed

A: On the PFD below 2,500ft AGL

Q2: What gives the vertical speed indicators their data?

A: Their respective ADIRUs

Q3: Which probe, and ports gather total pressure data for the standby airspeed indicator?

A: Auxiliary pitot probe and the alternate static systems

Q4: What is the power source for the Radio Altimeters?

A: RA1 Transfer Bus 1, RA 2 Transfer bus 2

Q5: When will the flight recorder operate on the ground?

A: When the test switch is selected to TEST or either engine is operating

Q6: What is the minimum use height for the Auto Pilot single channel in a 737-700 and 737-800?

A: 737-700 140ft, 737-800 158ft (EASA) 50ft (FAA)

Q7: Speedbrakes should only be deployed in flight at radio altitudes greater than what?

A: 1000ft RA

Q8: The wing tanks must be full if the centre tank contains more than how much fuel?

A: 453kg/100lbs

Q9: How are the ADIRUs powered normally? And with the loss of AC power?

A: L ADIRU AC Standby Bus/Switched hot battery bus, R ADIRU AC Transfer bus 2/Switched hot battery bus (5 mins only)

Q10: When will the ground crew call horn sound?

A: When the airplane is on the ground and the ADIRUs are on dc power or when the equipment cooling system fails.