

**P R O V E N**

## Quality, Dependability and Reliability

Avtech interphone handset / cradles are installed on many of the world's regional aircraft such as the Embraer EMB-120, ERJ-145, 170, 190, the Bombardier family of regional jets, Bombardier Dash 8, Saab 340, 2000 and the CASA / IPTN CN-235 aircraft.



### INTERPHONE HANDSET / CRADLES

Avtech's handset/cradles are designed to interface directly with Avtech's Passenger Address and Cabin Interphone amplifiers and also interface with Honeywell's Primus line of flight deck audio equipment.

- Eliminates mechanical failures by incorporating a novel magnetic latching mechanism to retain the handset into the cradle
- Available in black, beige and gray
- Cradle assembly incorporates a magnetic on-hook/off-hook mechanism to detect when the handset is removed from the cradle
- Cradle incorporates interphone control switches with LED status indicators used to activate, PA, Attendant to Attendant (when more than one attendant exists), Pilot and Emergency communications channels
- Handset has built in PTT switch used for PA announcements
- Handset has integrated noise canceling microphone

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**avtech**  
*Ideas That Fly*  
An Aviation Technologies, Inc. Company

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## SPECIFICATIONS

Requirement	DO-160C Section	Category	Remarks
Temperature and Altitude	4	A1	Operating Temp. -40 to +55 C Ground Survival Temp. -55 to +85 C Altitude -1,300 to 15,000 feet Decompression 50,000 feet
In-Flight Loss of Cooling	4.5.4	-	Not Applicable
Temperature Variation	5	C	
Humidity	6	A	
Operational Shocks and Crash Safety	7	(Applies)	Shall meet requirement when oriented with handset facing aft or with handset facing either side of the aircraft.
Vibration	8	CMS	
Explosion Proofness	9	E1	In an Environment II
Waterproofness	10	X	
Fluids Susceptibility	11	X	
Sand and Dust	12	X	
Fungus Resistance	13	F	
Salt Spray	14	X	
Magnetic Effect	15	X	
Power Input	16	Z	
Power Interrupt			Shall withstand power interrupts of up to 200 mSec without affecting its performance and without loss of System operation or spurious alerts per DO-160, Section 16, paragraph 16.5.2.3 and without the need to reset the System.
Voltage Spike	17	A	
Audio Frequency Conducted Susceptibility, Power Input	18	Z	
Induced signal Susceptibility	19	A	
R. F. Susceptibility, Radiated & Conducted	20	U	
Emission of RF Energy	21	Z	
Lightning Induced Transient Susceptibility	22	A2C2	
Lightning Direct Effects	23	X	
Icing	24	X	