



HIGH ACCURACY PRESSURE SENSORS

FOR AIR DATA SYSTEMS

Primary grade pressure sensors for altitude and air speed sensing




High performance; high accuracy



Superior repeatability and stability

Insensitive to density



Monocrystalline hysteresis-free measuring structure

Core products are packaged to suit your individual application

The FAA mandate for reduced vertical separation (RVSM) has created a need for exceptionally high performance pressure sensors. ELDEC meets the need with a line of primary grade pressure sensors that are ideal for sensing both altitude and airspeed.

ELDEC pressure sensors incorporate our Silicon-On-Sapphire sensing technology for the very highest in performance, reliability and accuracy. An integral temperature sensor located directly on the pressure diaphragm provides for optimum temperature compensation. Smaller in size than traditional mechanical resonance-type sensors, ELDEC sensors also require less power while providing better thermal transient response. Superior repeatability and stability give you exceptionally high accuracy within 0.01% of full scale using digital compensation.

The ELDEC Advantage

As a long time leader in aircraft sensing technology, you can trust ELDEC for your air data sensor needs now and in the future. With over 40 years of aircraft system experience

in sensing, electronics and packaging, ELDEC understands the severe demands of the aerospace environment. Reflecting a commitment to quality management, ELDEC is ISO 9001, AS9000 and TickIT certified.

Your Needs

ELDEC high performance pressure sensors feature a modular, highly producible design which can be packaged to meet your individual interface and connection requirements. ELDEC is experienced at combining high accuracy electronics with the pressure sensor to give you easy-to-interface digital outputs. Let us help you design a solution for your air data system application. Give us a call, or check out our web site at www.eldec.com.



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APPLICATIONS

Equipment:	Aircraft:
<ul style="list-style-type: none">• Altimeters	<ul style="list-style-type: none">• Commercial Aircraft
<ul style="list-style-type: none">• Air Speed Indicators	<ul style="list-style-type: none">• Military Aircraft
<ul style="list-style-type: none">• Multifunction Probes	<ul style="list-style-type: none">• Helicopters
<ul style="list-style-type: none">• Air Data Computers	
<ul style="list-style-type: none">• Altitude Compensating Systems	

CHARACTERISTICS

Operating pressure:

- 32 in. Hg abs. typical altitude
- 110 in. Hg abs. typical air speed
- Custom pressure ranges readily accommodated

Range:

Absolute or Differential

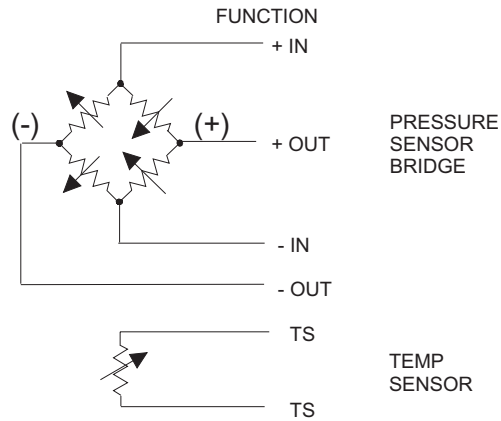
Physical characteristics:

- Rugged packaging
- Pressure fittings to suit
- Electrical interconnect to suit
- Flight weight designs

Environmental:

Temperature: -65° to +258° F
(-55° to +125° C)

Vibration: >20 g's



PARTNERS FOR SOLUTIONS YOU CAN COUNT ON

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