UTC Aerospace Systems’ angle of attack technology has demonstrated success on major commercial and military aircraft around the world for over 30 years.

With over 60 years of air data experience and innovation, UTC Aerospace Systems continues to be at the forefront of air data technology – researching, designing, manufacturing, qualifying and supporting custom air data solutions. Our Angle of Attack (AOA) sensor 0861HB offers an alternative means of complying with OE airworthiness directives. This field-proven sensor has been in service since 2001 and provides superior reliability. It has both a vane and case heater which further enhances icing performance over traditional models.

**Angle of Attack Sensor**
**Model 0861HB**

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## Angle of Attack Sensor
### Model 0861HB

#### General Specifications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting Plate</td>
<td>4.0 in. diameter max. / 10.2 cm</td>
</tr>
<tr>
<td>Case</td>
<td>3.2 in. diameter max. / 8.1 cm</td>
</tr>
<tr>
<td></td>
<td>3.5 in. depth max. / 8.9 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.0 lb. max. / 907.2 g</td>
</tr>
<tr>
<td>Environmental</td>
<td>Meets or exceeds requirements of RTCA / DO-160D</td>
</tr>
<tr>
<td>Federal Aviation</td>
<td>Meets requirements of Subpart O of FAR Part 21 TSO-C54</td>
</tr>
<tr>
<td>Power</td>
<td></td>
</tr>
<tr>
<td>Dual Resolvers</td>
<td>7 VAC, 2500 Hz</td>
</tr>
<tr>
<td>Vane and Case Heaters</td>
<td>115 VAC, 400 Hz</td>
</tr>
</tbody>
</table>

#### Features & Benefits

- Improves reliability
- Decreases maintenance costs
- Reduces flight delays and stall failures
- Fleet MTBF greater than 20,000 flight hours
- Easy installation and maintenance
- Form, fit and function interchangeable and intermixable with current AOA
- On-aircraft sensor check using external markings
- Self-regulating vane and case heaters with MTBF of greater than 1,000,000 hours (established via field data)
- Low solid-state operating temperature reduces leading edge erosion
- Unique interface between the slinger and faceplate reduces water intrusion
- Case heater helps to de-ice external surfaces and evaporate condensation in the unit
- Viscous damper is four times more effective than existing magnetic type which improves output stability and performance during dynamic aircraft maneuvers or crosswind
- Rugged vane construction and low profile reduces ground damage that causes aerodynamic error

#### Certifications

**Bombardier CRJ 100 / 200**
- FAA STC# ST01389NY
- TCRA STC# SA01-47
- EASA STC# EASA.IM.A.S.0015

**Bombardier CRJ 700 / 900**
- FAA STC# ST02744NY
- TCRA STC# SA09-51
- EASA STC# 10034839

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