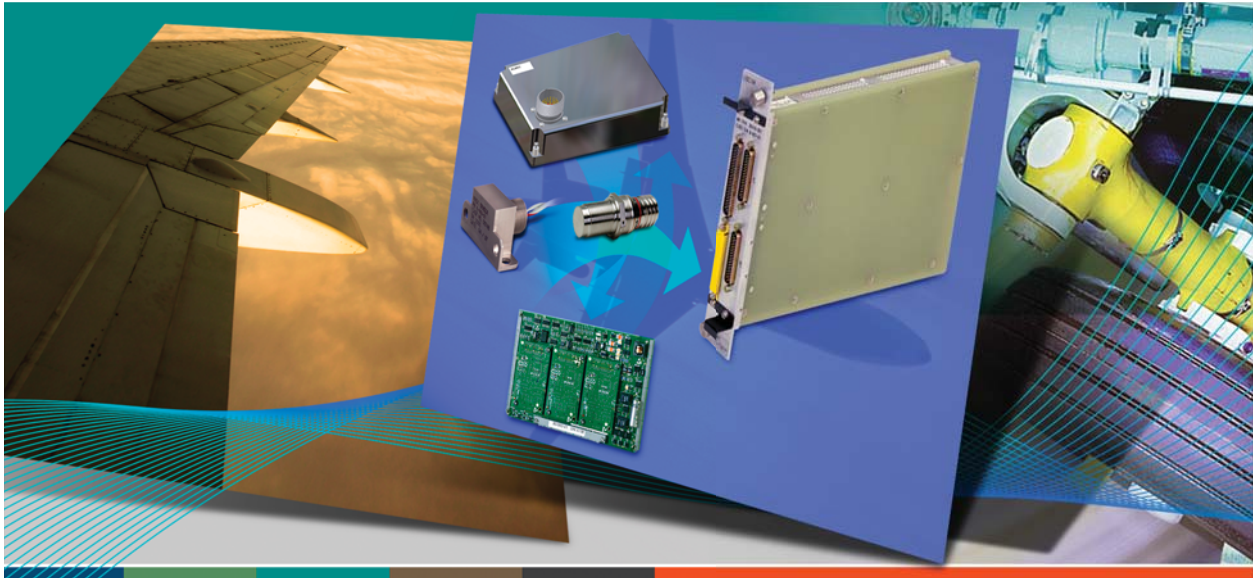




SENSE IT!

Sensing & Utility Systems Solutions



- **Proximity Sensing Components & Systems**
- **Silicon-On-Sapphire Pressure Sensors**
- **SmartStem® Wireless Tire Pressure Indication Systems**
- **AirWeights™ Onboard Weight and Balance Systems**

Crane Aerospace & Electronics offers a broad range of sensing technologies which provide proven high-accuracy pressure and position information for mechanical, flight control and engine systems. In addition, Crane offers a variety of utility systems which measure aircraft weight and balance and tire pressure. All incorporate proven, highly reliable technology in use on many commercial and military aircraft. Please review the technology solutions described on the back of this flyer, then let us help you configure the ideal solution for your application.

Count on the Crane Aerospace & Electronics team

Crane Aerospace & Electronics companies are known for their technical strength, proven product reliability, innovative solutions and overall value. Each company is ISO9001/AS9100 certified and committed to Operational Excellence and world-

class processes. From application engineering, through design and manufacturing, Crane Aerospace & Electronics offers a comprehensive approach to product specification, design certification and service. So, whether you're looking for a standard or custom-designed sensing solution, Crane Aerospace & Electronics has the proven experience to deliver what you need.

You can also count on Crane Aerospace & Electronics companies for in-service support. Our worldwide product support program is in place to support the needs of the airline industry.

It's all part of the added value you can expect when you bring together an experienced team.



SENSE IT!

Sensing & Utility Systems Solutions

Product Lines

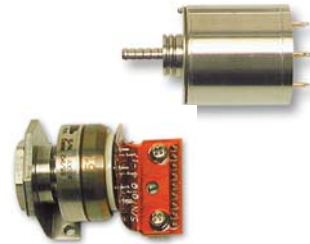
Proximity Sensing Components and Systems: Crane inductive proximity sensing technology is used to reliably monitor the position of aircraft mechanical systems such as landing gear, doors, flight controls and thrust reversers.

Crane Aerospace & Electronics offers a full line of both active and passive proximity sensors which are proven to provide superior reliability in difficult aerospace applications. All of our new sensor designs feature all-metal construction and are hermetically sealed, which results in a durable, robust package for high reliability.

For passive sensors, Crane Aerospace & Electronics offers a variety of flexible electronic interfaces which are scalable to support both small and large system configurations. In addition, Crane Aerospace & Electronics can provide a complete sensing system solution including application logic, communication and built-in test, based on your unique requirements.



High-Accuracy Pressure Sensors: Crane Aerospace & Electronics pressure sensors incorporate Silicon-On-Sapphire 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, Crane Aerospace & Electronics 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.



SmartStem® Wireless Tire Pressure Indication Systems: SmartStem technology replaces the existing tire inflation valve stem located in the wheel with a wireless valve stem that can communicate tire pressure and temperature to the cockpit via the onboard system, or to the maintenance crew with the use of a handheld reader. The SmartStem system makes the daily tire pressure check quick, easy, accurate and automatically documented, all without letting any gas escape during the tire pressure check.



AirWeighs™ Onboard Weight and Balance Systems: Dispatch an aircraft for flight in seconds by utilizing the actual weight determined by the AirWeighs Onboard Weight and Balance System. The AirWeighs system converts the landing gear struts into aircraft weighing scales that fly with the aircraft. Confirming aircraft weight reduces the cost to operate your aircraft by negating the need to impose and sustain standard passenger or baggage weights, surveys, or random seating curtailments. Flying with a known aircraft weight also enables improved aircraft utility by lowering takeoff and landing speeds, and implementing fuel efficiency programs.



Crane Aerospace & Electronics www.craneae.com

ELDEC • Hydro-Aire • Interpoint • Lear Romec • Merrimac • P.L. Porter • Signal Technology

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