



SENSING  
COMPONENTS  
& SYSTEMS



# SENSING COMPONENTS & SYSTEMS

HIGH ACCURACY & RELIABILITY | RUGGED PACKAGING  
SUPPORTING MULTIPLE ARCHITECTURES

Crane Aerospace & Electronics provides proximity sensor based indication and control, tire pressure indication, and fuel gauging systems. In addition, we offer a full range of proximity sensor, tire pressure, fuel gauging, and power conversion components for use in demanding environments for our customers' system applications. Through our heritage ELDEC brand, our products are in use on most of the world's commercial and military aircraft.

## PRODUCT CAPABILITIES

- Landing Gear Indication and Control Systems
- Door Indication and Control Systems
- Proximity Sensing Components
- Wireless Tire Pressure Sensors / Monitoring Systems
- Fuel Gauging Systems
- High-Accuracy Pressure Sensors

## MARKETS SERVED



COMMERCIAL  
AVIATION



DEFENSE

## HERITAGE BRANDS

ELDEC

ELDEC France



## PRODUCT LINES

### FUEL GAUGING SYSTEMS



From helicopters to business jets to UAVs, Crane's Fuel Gauging technology provides accurate, real-time measurement of fuel in one or multiple tanks. Accurate measurements and reliable system performance can be depended upon under all flight conditions.

### HIGH-ACCURACY PRESSURE SENSORS



Crane 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 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 SENSORS & SYSTEMS



SmartStem technology is a sensor that communicates tire pressure and temperature wirelessly to a hand-held reader or by means of an on-board system to provide cockpit indication. SmartStem technology makes daily tire pressure checks quick, easy, accurate, and automatically documented, without any gas loss.

### PROXIMITY SENSING COMPONENTS & 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 offers a full line of both active and passive proximity sensors that 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. Our latest Crane® FLEXtech™ sensing components include high-accuracy, proximity sensors which provide the target to sensor gap measurement within  $\pm 0.2$  mm absolute and with CAN bus output.

## COUNT ON CRANE AEROSPACE & ELECTRONICS

Crane Aerospace & Electronics delivers mission-critical and innovative components, systems, and services for commercial aircraft, defense, and space markets. Products and services are organized into six integrated solutions: Cabin Systems, Electrical Power Solutions, Fluid Management, Landing Systems, Microwave Solutions, and Sensing Components & Systems.

Partner with Crane, your trusted market leader in demanding commercial aerospace, defense, and space markets. For more information or to request a quote, contact us at [www.craneae.com](http://www.craneae.com).





INNOVATIVE | TRUSTED | COLLABORATIVE

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