

# Global Aircraft Ice Accretion Detection Sensors Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G3510955E0CFEN.html>

Date: April 2026

Pages: 118

Price: US\$ 4,480.00 (Single User License)

ID: G3510955E0CFEN

## Abstracts

The global Aircraft Ice Accretion Detection Sensors market size is expected to reach \$ 738 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

Aircraft ice accretion detection sensors are specialized aerospace sensors designed to detect and measure the formation of ice on critical aircraft surfaces such as wings, engine inlets, and pitot tubes during flight. These sensors operate using technologies such as vibrating probes, optical detection, thermal sensing, or impedance measurement to identify ice buildup in real time and trigger anti-icing or de-icing systems. From a value chain perspective, upstream includes precision electronics, aerospace-grade materials, sensing elements, and embedded systems; midstream involves sensor design, calibration, environmental testing, and certification under aviation standards (e.g., FAA, EASA); downstream demand comes from commercial aircraft manufacturers, military aviation programs, business jets, and retrofit markets. In 2025, the average selling price is approximately US\$2,850 per unit, with global shipments around 165,000 units. The industry maintains gross margins of 38%–55%, supported by high reliability requirements, certification barriers, and long aircraft lifecycle demand.

This report studies the global Aircraft Ice Accretion Detection Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aircraft Ice Accretion Detection Sensors and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aircraft Ice Accretion

Detection Sensors that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Aircraft Ice Accretion Detection Sensors total production and demand, 2021-2032, (K Units)

Global Aircraft Ice Accretion Detection Sensors total production value, 2021-2032, (USD Million)

Global Aircraft Ice Accretion Detection Sensors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Aircraft Ice Accretion Detection Sensors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Aircraft Ice Accretion Detection Sensors domestic production, consumption, key domestic manufacturers and share

Global Aircraft Ice Accretion Detection Sensors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Aircraft Ice Accretion Detection Sensors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Aircraft Ice Accretion Detection Sensors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Aircraft Ice Accretion Detection Sensors market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Collins Aerospace, Honeywell Aerospace, Curtiss-Wright, Goodrich (RTX), Meggitt (Parker Meggitt), Safran Electronics & Defense, Thales, United Electric Controls, Rosemount Aerospace (Emerson), Zhejiang Windey, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aircraft Ice Accretion Detection Sensors market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global Aircraft Ice Accretion Detection Sensors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Aircraft Ice Accretion Detection Sensors Market, Segmentation by Type:

Vibrating Probe Sensors

Optical Ice Detection

Thermal Sensors

## Impedance-based Sensors

### Global Aircraft Ice Accretion Detection Sensors Market, Segmentation by System Integration:

Standalone Sensors

Integrated Ice Protection Systems

Avionics-integrated Sensors

### Global Aircraft Ice Accretion Detection Sensors Market, Segmentation by Output Type:

Analog Output

Digital Output

Smart Sensor (Self-diagnostic)

### Global Aircraft Ice Accretion Detection Sensors Market, Segmentation by Application:

Commercial Aircraft

Military Aircraft

Business Jets

UAV / Drones

### Companies Profiled:

Collins Aerospace

Honeywell Aerospace

Curtiss-Wright

Goodrich (RTX)

Meggitt (Parker Meggitt)

Safran Electronics & Defense

Thales

United Electric Controls

Rosemount Aerospace (Emerson)

Zhejiang Windey

AVIC Avionics Systems

Shanghai Aircraft Manufacturing (AVIC)

### **Key Questions Answered:**

1. How big is the global Aircraft Ice Accretion Detection Sensors market?
2. What is the demand of the global Aircraft Ice Accretion Detection Sensors market?
3. What is the year over year growth of the global Aircraft Ice Accretion Detection Sensors market?
4. What is the production and production value of the global Aircraft Ice Accretion Detection Sensors market?
5. Who are the key producers in the global Aircraft Ice Accretion Detection Sensors market?
6. What are the growth factors driving the market demand?

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