

Global Infrared Refrigerant Sensor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GD45324ADFD9EN.html>

Date: September 2025

Pages: 101

Price: US\$ 3,132.00 (Single User License)

ID: GD45324ADFD9EN

Abstracts

According to our (Global Info Research) latest study, the global Infrared Refrigerant Sensor market size was valued at US\$ 127 million in 2024 and is forecast to a readjusted size of USD 153 million by 2031 with a CAGR of 2.6% during review period.

Infrared refrigerant sensor, also known as infrared refrigerant detector, is a sensor specially designed to detect and quantify the concentration of refrigerant gas (such as Freon, ammonia, carbon dioxide, etc.). The working principle of infrared refrigerant sensor is based on infrared spectroscopy absorption technology, which is a non-destructive testing technology, especially suitable for the analysis of gas composition.

This report is a detailed and comprehensive analysis for global Infrared Refrigerant Sensor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Infrared Refrigerant Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Refrigerant Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Refrigerant Sensor market size and forecasts, by Type and by

Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Infrared Refrigerant Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Infrared Refrigerant Sensor

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Infrared Refrigerant Sensor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Senseair, AKM, Danfoss, Amphenol Advanced Sensors, Nissha, NevadaNano, Figaro, Cubic Sensor and Instrument, Henan Relations, Zhengzhou Winsen, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Infrared Refrigerant Sensor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Channel

Dual Channel

Other

Market segment by Application

Smart Home

Food

Logistic

Other

Major players covered

Senseair

AKM

Danfoss

Amphenol Advanced Sensors

Nissha

NevadaNano

Figaro

Cubic Sensor and Instrument

Henan Relations

Zhengzhou Winsen

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Infrared Refrigerant Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Infrared Refrigerant Sensor, with price, sales quantity, revenue, and global market share of Infrared Refrigerant Sensor from 2020 to 2025.

Chapter 3, the Infrared Refrigerant Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Infrared Refrigerant Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Infrared Refrigerant Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Infrared Refrigerant Sensor.

Chapter 14 and 15, to describe Infrared Refrigerant Sensor sales channel, distributors, customers, research findings and conclusion.

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