



The global HVAC sensor market is projected to rise with a CAGR of 13% during the forecast period i.e. 2018-2023

The HVAC sensor market is facing growth opportunities due to the increasing population and housing construction.

HYDERABAD, TELANGANA, INDIA, September 4, 2018 /EINPresswire.com/ -- Regulations will have huge impact on [HVAC sensors](#) market

Heating, Ventilating and Cooling (HVAC) Sensors are those devices that help to control and regulate the HVAC systems in homes, factories, cars and so on. The HVAC sensor market is facing growth opportunities due to the increasing population and housing construction. The challenges faced in the market are the implications of the Kigali agreement: the long lifetimes of HVAC sensors resulting in less replacement requirements and the lack of awareness regarding the usefulness of HVAC sensors.

The major challenge is the long drawn out Kigali Amendment that was signed by over a 100 countries in 2016. According to the Kigali Amendment, countries would begin phasing out the usage of HFCs (Hydro fluorocarbons), which are the most commonly used refrigerants in the air conditioning systems and refrigerators at homes. Nearly all HFCs are processed in western countries such as the United States (Johnson Controls), Switzerland (Sensirion) and Ireland (Aptiv), which makes it an easy target to phase out. HFOs (Hydro fluoroolefins) are mooted as the replacement for HFCs, as they do less damage to the ozone layer although they could cost up to five times as much as an HFC. Honeywell Co. and DuPont have filed several patents already and would gain first mover advantage if HFOs gain demand. Presently, Honeywell Co. offers Solstice, and DuPont offers Opteon in the HFO category.

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However, despite the challenges faced by the companies, there is still potential for growth in the HVAC sensor market as the worldwide population is growing and temperatures are soaring this further boost the requirement for HVAC and the respective sensors. Construction industry act as the major driver for the adoption of HVAC sensor, so if the construction industry is booming, the respective HVAC sensor will also witness tremendous growth. Aside from the population, the growing energy efficiency programs such as Federal Energy Management Program (United States) are increasing deployment of sensors. The residential, commercial and industrial sectors are increasing their energy consumption every year, and due to that, they are in need of HVAC systems that can save energy and HVAC sensors that can monitor these systems.

The integration of Internet of Things (IoT) could be the next step in this industry. A connected system of sensors could detect any disturbance and speed up the notification process. A connected system of sensors cooling down the factory in the summer, at optimal times will save energy costs. People who can't be present to modify the temperature as per requirements could find this very useful as it would offer energy savings as well as convenience. There would be huge energy savings for the new buildings that are seen with lights switched on in every floor at night despite being vacant.

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HVAC sensors market is segmented as indicated below:

1. HVAC Sensors – By Type

- 1.1. Introduction
- 1.2. Temperature Sensors
- 1.3. Humidity Sensors
- 1.4. Pressure & Flow Sensors
- 1.5. Motion Sensors
- 1.6. Smoke & Gas Sensors
- 1.7. Others

2. HVAC Sensors – By Application

- 2.1. Introduction
- 2.2. Room Air Temperature
- 2.3. Solar Refrigerators
- 2.4. Solar Water Heaters
- 2.5. Boiler Controls
- 2.6. Duct Air Temperature
- 2.7. Duct Air Pressure
- 2.8. Commercial Chillers
- 2.9. Commercial Cooking Equipment
- 2.10. Compressors and Motors
- 2.11. Container Storage
- 2.12. Electronic Expansion Valves
- 2.13. Forced Air Furnaces
- 2.14. Heat Pumps
- 2.15. Ice Machine
- 2.16. Air Conditioner
- 2.17. Pool Heater Equipment
- 2.18. Refrigerator
- 2.19. Beverage Dispensing
- 2.20. Underfloor Heating and Ice Melting
- 2.21. Water Heaters
- 2.22. Others

3. HVAC Sensors – By End Users

- 3.1. Introduction
- 3.2. Aerospace
- 3.3. Automotive
- 3.4. Chemical
- 3.5. Energy and Power
- 3.6. Food and Beverage
- 3.7. Medical
- 3.8. Metal Processing
- 3.9. Mining
- 3.10. Oil and Gas
- 3.11. Pharmaceutical
- 3.12. Plastic
- 3.13. Rubber
- 3.14. Water
 - 3.14.1. Waste Water
 - 3.14.2. Drinking Water

3.15. Others

4. HVAC Sensor Market – By Market Entropy

5. HVAC Sensor Market – By Geography

Companies Cited/Interviewed/Referenced

Emerson Electric Co.

Sensirion

Omron Corporation

Siemens AG

Schneider Electric

Sensata Technologies

ACAL BFI

TE Connectivity Corporation

Company 15+

Related Reports:

A. U.S. HVAC Equipment Market

<https://industryarc.com/Report/9597/us-hvac-equipment-market-research-analysis-report.html>

B. Machine to Machine Communication Market

<https://industryarc.com/Report/15027/machine-to-machine-communication-market.html>

What can you expect from the report?

The HVAC Sensors Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, or application based reports in HVAC Sensors Market?

Response: Yes, we do have separate reports and database as mentioned below:

1. North America HVAC Sensors Market (2018-2023)
2. South America HVAC Sensors Market (2018-2023)

3. Europe HVAC Sensors Market (2018-2023)
4. Asia Pacific HVAC Sensors Market (2018-2023)
5. Middle East and Africa HVAC Sensors Market (2018-2023)
6. Humidity HVAC Sensors Market (2018-2023)
7. Commercial Chillers Market in HVAC Sensors Market (2018-2023)
8. Refrigerator Market in HVAC Sensors Market (2018-2023)
9. Food and Beverage Market in HVAC Sensors Market (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?

Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography or product chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

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