

North America Pressure Sensor Market by Type (Piezoresistive, Capacitive, Electromagnetic, Others), by Application (Automotive, Petrochemical and Oil & Gas, Consumer Electronics, Medical, Others), by Geography – Analysis and Forecast to 2019

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Abstracts

Pressure sensor is a device used to measure the pressure of liquids or gasses in a container. The pressure is important to measure to stop the overflow of liquids and gasses in a container and to avoid the explosion or for proper functionality of machine. It works as a transducer, which converts pressure into measureable form.

The North America pressure sensor market is segmented by type, which includes piezoresistive, capacitive, electromagnetic, optical, resonant solid state, and others. Piezoresistive pressure sensor segment holds the largest market share, followed by capacitive pressure sensor segment with 29.8% in 2014. Capacitive pressure sensor is suitable for the medical industry as it is small in size and consumes low power, which is driving its market. It is used for pressure measurement of small blood vessels. Small size help capacitive pressure sensor to be inserted into the vessels through string for pressure measurement.

Diseases such as congestive heart failure and abdominal aortas aneurysm are the major cardiovascular diseases affecting people. Different systems are developed for treatment of such diseases, in which pressure sensor is used. Capacitive pressure sensor is used in an implantable pressure monitoring system for blood pressure monitoring. In such applications, power consumption becomes an additional issue and these capacitive devices offer a clear advantage over piezoresistive ones.

Other potential applications of capacitive pressure sensor include intraocular pressure

monitoring for the treatment of glaucoma (a serious disease characterized by an increased pressure in the eye that may result in blindness), intracranial pressure monitoring for the treatment of patients with head trauma, and monitoring of neurological patients.

Piezoresistive pressure sensor is used household appliances and automotive for various applications, such as washing machines, dishwashers, vacuum cleaners, oil pressure, air pressure detection, and so on.

Scope of the Report

This research report categorizes the North America pressure sensor market into the following segments and sub-segments:

By Type

Piezoresistive

Capacitive

Electromagnetic

Optical

Resonant Solid State

Other

By Application

Automotive

Manufacturing

Consumer Electronics

Medical

Utility

Process Industries

Other

By Geography

U.S.

Canada

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET SEGMENTATION & COVERAGE
- 1.3 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 INTEGRATED ECOSYSTEM OF NORTH AMERICA PRESSURE SENSOR MARKET
- 2.2 ARRIVING AT THE NORTH AMERICA PRESSURE SENSOR MARKET SIZE.
 - 2.2.1 TOP-DOWN APPROACH
 - 2.2.2 BOTTOM-UP APPROACH
 - 2.2.3 DEMAND SIDE APPROACH
 - 2.2.4 MACRO INDICATOR-BASED APPROACH
- 2.3 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 INTRODUCTION
- 4.2 NORTH AMERICA PRESSURE SENSOR MARKET: COMPARISON WITH PARENT MARKET
- 4.3 MARKET DRIVERS AND INHIBITORS
- 4.4 KEY MARKET DYNAMICS
- 4.5 DEMAND SIDE ANALYSIS

5 PRESSURE SENSOR MARKET, BY TYPE

- 5.1 INTRODUCTION
- 5.2 NORTH AMERICA PIEZORESISTIVE PRESSURE SENSOR, BY APPLICATION
- 5.3 NORTH AMERICA CAPACITIVE PRESSURE SENSOR, BY APPLICATION
- 5.4 NORTH AMERICA ELECTROMAGNETIC PRESSURE SENSOR, BY APPLICATION
- 5.5 NORTH AMERICA RESONANT SOLID STATE PRESSURE SENSOR, BY APPLICATION

5.6 NORTH AMERICA OPTICAL PRESSURE SENSOR, BY APPLICATION

6 PRESSURE SENSOR MARKET, BY APPLICATION

6.1 INTRODUCTION

6.2 NORTH AMERICA PRESSURE SENSOR MARKET IN AUTOMOTIVE SEGMENT, BY GEOGRAPHY

6.3 NORTH AMERICA PRESSURE SENSOR MARKET IN PETROCHEMICAL AND OIL & GAS, BY GEOGRAPHY

6.4 NORTH AMERICA PRESSURE SENSOR MARKET IN CONSUMER ELECTRONICS, BY GEOGRAPHY

6.5 NORTH AMERICA PRESSURE SENSOR MARKET IN MEDICAL, BY GEOGRAPHY

6.6 NORTH AMERICA PRESSURE SENSOR MARKET IN UTILITIES, BY GEOGRAPHY

6.7 NORTH AMERICA PRESSURE SENSOR MARKET IN PROCESS INDUSTRIES, BY GEOGRAPHY

7 PRESSURE SENSOR MARKET, BY GEOGRAPHY

7.1 INTRODUCTION

7.1.1 U.S.

7.1.1.1 U.S. PRESSURE SENSOR MARKET, BY APPLICATION

7.1.1.2 U.S. PRESSURE SENSOR MARKET, BY TYPE

7.1.2 CANADA

7.1.2.1 CANADA PRESSURE SENSOR MARKET, BY APPLICATION

7.1.2.2 CANADA PRESSURE SENSOR MARKET, BY TYPE

8 PRESSURE SENSOR MARKET: COMPETITIVE LANDSCAPE

8.1 PRESSURE SENSOR MARKET: COMPANY SHARE ANALYSIS

8.2 COMPANY PRESENCE IN PRESSURE SENSOR MARKET, BY TYPE

8.2.1 MERGERS & ACQUISITIONS

8.2.2 NEW PRODUCT DEVELOPMENTS

8.2.3 OTHER DEVELOPMENTS

9 PRESSURE SENSOR MARKET, BY COMPANY

(Overview, Financials, Products & Services, Strategy, and Developments)*

North America Pressure Sensor Market by Type (Piezoresistive, Capacitive, Electromagnetic, Others), by Applica...

- 9.1 THE EMERSON ELECTRIC COMPANY
- 9.2 YOKOGAWA ELECTRIC CORPORATION
- 9.3 ASHCROFT, INC.
- 9.4 SIEMENS AG
- 9.5 HONEYWELL INTERNATIONAL, INC.

*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted company

10 APPENDIX

- 10.1 CUSTOMIZATION OPTIONS
 - 10.1.1 PRODUCT PORTFOLIO ANALYSIS
 - 10.1.2 COUNTRY-LEVEL DATA ANALYSIS
 - 10.1.3 PRODUCT COMPARISON OF VARIOUS COMPETITORS
 - 10.1.4 TRADE ANALYSIS

11 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE

- 11.1.1 RT SNAPSHOTS
- 11.1.2 SNAPSHOT 1: ECOSYSTEM
- 11.1.3 SNAPSHOT 2: QUANTITATIVE CHART

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL PRESSURE SENSOR PEER MARKET SIZE, 2014 (USD MN)

TABLE 2 NORTH AMERICA PRESSURE SENSOR MARKET, BY APPLICATION MARKET, 2014 (USD MN)

TABLE 3 NORTH AMERICA PRESSURE SENSOR MARKET: MACRO INDICATORS, 2012 & 2013 (USD MN).

TABLE 4 NORTH AMERICA PRESSURE SENSOR MARKET: COMPARISON WITH PARENT MARKET, 2013-2019 (USD MN)

TABLE 5 NORTH AMERICA PRESSURE SENSOR MARKET: DRIVERS AND INHIBITORS

TABLE 6 NORTH AMERICA PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 7 NORTH AMERICA PRESSURE SENSOR MARKET: COMPARISON WITH APPLICATION MARKETS, 2013-2019 (USD MN)

TABLE 8 NORTH AMERICA PRESSURE SENSOR MARKET, BY TYPE, 2013-2019 (USD MN)

TABLE 9 NORTH AMERICA PRESSURE SENSOR MARKET: TYPE COMPARISON WITH SENSOR MARKET, 2013-2019 (USD MN)

TABLE 10 NORTH AMERICA PIEZORESISTIVE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 11 NORTH AMERICA CAPACITIVE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 12 NORTH AMERICA ELECTROMAGNETIC PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 13 NORTH AMERICA RESONANT SOLID STATE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 14 NORTH AMERICA OPTICAL PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 15 NORTH AMERICA PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 16 NORTH AMERICA PRESSURE SENSOR MARKET IN AUTOMOTIVE SEGMENT, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 17 NORTH AMERICA PRESSURE SENSOR MARKET IN PETROCHEMICAL AND OIL & GAS, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 18 NORTH AMERICA PRESSURE SENSOR MARKET IN CONSUMER ELECTRONICS, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 19 NORTH AMERICA PRESSURE SENSOR MARKET IN MEDICAL, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 20 NORTH AMERICA PRESSURE SENSOR MARKET IN UTILITIES, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 21 NORTH AMERICA PRESSURE SENSOR MARKET IN PROCESS INDUSTRIES, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 22 NORTH AMERICA PRESSURE SENSOR MARKET, BY GEOGRAPHY, 2013-2019 (USD MN)

TABLE 23 U.S. PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 24 U.S. PRESSURE SENSOR MARKET, BY TYPE, 2013-2019 (USD MN)

TABLE 25 CANADA PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

TABLE 26 CANADA PRESSURE SENSOR MARKET, BY TYPE, 2013-2019 (USD MN)

TABLE 27 NORTH AMERICA PRESSURE SENSOR MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

TABLE 28 NORTH AMERICA PRESSURE SENSOR MARKET: MERGERS & ACQUISITIONS

TABLE 29 NORTH AMERICA PRESSURE SENSOR MARKET: NEW PRODUCT DEVELOPMENTS AND ANNOUNCEMENTS

TABLE 30 NORTH AMERICA PRESSURE SENSOR MARKET: OTHER DEVELOPMENTS

TABLE 31 THE EMERSON ELECTRIC COMPANY: REVENUE, BY GEOGRAPHY (USD MN)

TABLE 32 THE EMERSON ELECTRIC COMPANY: REVENUE, BY BUSINESS SEGMENT (USD MN)

TABLE 33 THE EMERSON ELECTRIC COMPANY: OPERATING DATA (USD MN)

TABLE 34 YOKOGAWA ELECTRIC CORPORATION: REVENUE AND NET INCOME: (USD MN)

TABLE 35 YOKOGAWA ELECTRIC CORPORATION:REVENUE, BY GEOGRAPHY (USD MN)

TABLE 36 YOKOGAWA ELECTRIC CORPORATION:REVENUE, BY BUSINESS SEGMENT (USD MN)

TABLE 37 SIEMENS AG: REVENUE AND NET INCOME: (USD MN)

TABLE 38 SIEMENS AG: REVENUE, BY GEOGRAPHY (USD MN)

TABLE 39 SIEMENS AG: REVENUE, BY BUSINESS SEGMENT (USD MN)

TABLE 40 HONEYWELL INTERNATIONAL, INC.: REVENUE (USD MN)

TABLE 41 HONEYWELL INTERNATIONAL, INC.: REVENUE, BY GEOGRAPHY (USD MN)

TABLE 42 HONEYWELL INTERNATIONAL, INC.: REVENUE, BY BUSINESS
SEGMENT (USD MN)

List Of Figures

LIST OF FIGURES

FIGURE 1 NORTH AMERICA PRESSURE SENSOR MARKET: SEGMENTATION & COVERAGE

FIGURE 2 NORTH AMERICA PRESSURE SENSOR MARKET: INTEGRATED ECOSYSTEM

FIGURE 3 RESEARCH METHODOLOGY

FIGURE 4 TOP-DOWN APPROACH

FIGURE 5 BOTTOM-UP APPROACH

FIGURE 6 DEMAND SIDE APPROACH

FIGURE 7 MACRO INDICATOR-BASED APPROACH

FIGURE 8 NORTH AMERICA PRESSURE SENSOR MARKET SNAPSHOT, 2014

FIGURE 9 NORTH AMERICAN PRESSURE SENSOR: GROWTH ASPECT

FIGURE 10 NORTH AMERICA PRESSURE SENSOR MARKET: COMPARISON WITH PARENT MARKET

FIGURE 11 NORTH AMERICA PRESSURE SENSOR MARKET, BY APPLICATION, 2014 & 2019

FIGURE 12 DEMAND SIDE ANALYSIS

FIGURE 13 NORTH AMERICA PRESSURE SENSOR MARKET, BY TYPE, 2014-2019 (USD MN)

FIGURE 14 NORTH AMERICA PRESSURE SENSOR MARKET: TYPE COMPARISON WITH SENSOR MARKET, 2013-2019 (USD MN)

FIGURE 15 NORTH AMERICA PIEZORESISTIVE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 16 NORTH AMERICA CAPACITIVE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 17 NORTH AMERICA ELECTROMAGNETIC PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 18 NORTH AMERICA RESONANT SOLID STATE PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 19 NORTH AMERICA OPTICAL PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 20 NORTH AMERICA PRESSURE SENSOR MARKET, BY APPLICATION, 2014-2019 (USD MN)

FIGURE 21 NORTH AMERICA PRESSURE SENSOR MARKET IN AUTOMOTIVE SEGMENT, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 22 NORTH AMERICA PRESSURE SENSOR MARKET IN PETROCHEMICAL

AND OIL & GAS, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 23 NORTH AMERICA PRESSURE SENSOR MARKET IN CONSUMER ELECTRONICS, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 24 NORTH AMERICA PRESSURE SENSOR MARKET IN MEDICAL, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 25 NORTH AMERICA PRESSURE SENSOR MARKET IN UTILITIES, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 26 NORTH AMERICA PRESSURE SENSOR MARKET IN PROCESS INDUSTRIES, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 27 NORTH AMERICA PRESSURE SENSOR MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2013-2019 (USD MN)

FIGURE 28 U.S. PRESSURE SENSOR MARKET OVERVIEW, 2014 & 2019 (USD MN)

FIGURE 29 U.S. PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 30 U.S. PRESSURE SENSOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 31 U.S. PRESSURE SENSOR MARKET, BY TYPE, 2013-2019 (USD MN)

FIGURE 32 U.S. PRESSURE SENSOR MARKET, BY TYPE SNAPSHOT

FIGURE 33 CANADA PRESSURE SENSOR MARKET OVERVIEW, 2014 & 2019 (USD MN)

FIGURE 34 CANADA PRESSURE SENSOR MARKET, BY APPLICATION, 2013-2019 (USD MN)

FIGURE 35 CANADA PRESSURE SENSOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 36 CANADA PRESSURE SENSOR MARKET, BY TYPE, 2013-2019 (USD MN)

FIGURE 37 CANADA PRESSURE SENSOR MARKET, BY TYPE SNAPSHOT

FIGURE 38 NORTH AMERICA PRESSURE SENSOR MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

FIGURE 39 PRESSURE SENSOR MARKET: COMPANY PRODUCT COVERAGE, BY TYPE, 2013

FIGURE 40 EMERSON ELECTRIC COMPANY: REVENUE MIX, 2014 (%)

FIGURE 41 YOKOGAWA ELECTRIC CORPORATION REVENUE MIX, 2014 (%)

FIGURE 42 SIEMENS AG: REVENUE MIX, 2014 (%)

FIGURE 43 HONEYWELL INTERNATIONAL INC.: REVENUE MIX, 2014 (%)

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