

North America Tilt Sensors Market (2019-2025)

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Abstracts

The North America Tilt Sensors Market would witness market growth of 7.8% CAGR during the forecast period (2019-2025). Over recent years, the use and demand of tilt sensors have significantly increased. From ordinary mechanical pendulum-like devices to fluid-filled electrolytic-type devices, tilt sensors have gradually evolved into digital sensors based on MEMS. Tilt sensors have been used for a long time to evaluate safety parameters in the automotive sector like boom angles and vehicle reaction. When technology advanced and safety regulations provided protection for employees, these tools for various applications can be seamlessly integrated with other devices. Such technologies are now used to promote innovation in areas like the comfort of drivers in automobiles due to continued research activities.

Tilt sensors allow orientation or inclination to be detected. They are lightweight, compact, low-power and user-friendly. They don't wear out if they're used properly. They are made popular by their simplicity for toys, gadgets, and appliances. Often, for obvious reasons, they are called 'mercury switches,' 'tilt switches' or 'rolling ball sensors.' Usually, they are made by some kind of cavity (cylindrical is popular, though not always) and a conductive free mass inside, like a mercury blob or rolling ball. One end of the cavity has two conductive components. The mass rolls onto the poles and shorts them, acting as a switch throw when the sensor is positioned so that the end is downwards.

Based on Material Type, the market is segmented into Non-Metal and Metal. Based on Technology, the market is segmented into MEMS, Fluid-filled and Force Balanced. Based on Application, the market is segmented into Construction & Mining, Automotive & Transportation, Aerospace & Defense, Telecommunications and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include The Fredericks Company, Balluff GmbH, Baumer Holding AG, Sick AG, IFM Electronics GmbH, Jewell Instruments LLC, Meggitt Plc., Murata Manufacturing Co., Ltd., TE Connectivity Ltd. and MEMSIC, Inc.

Scope of the Study

Market Segmentation:

By Material Type

Non-Metal

Metal

By Technology

MEMS

Fluid-filled

Force Balanced

By Application

Construction & Mining

Automotive & Transportation

Aerospace & Defense

Telecommunications

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

The Fredericks Company

Balluff GmbH

Baumer Holding AG

Sick AG

IFM Electronics GmbH

Jewell Instruments LLC

Meggitt Plc.

Murata Manufacturing Co., Ltd.

TE Connectivity Ltd.

MEMSIC, Inc.

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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 North America Tilt Sensors Market, by Material Type
 - 1.4.2 North America Tilt Sensors Market, by Technology
 - 1.4.3 North America Tilt Sensors Market, by Application
 - 1.4.4 North America Tilt Sensors Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. MARKET ANALYSIS

- 3.1 KBV Cardinal Matrix
- 3.2 Recent strategies deployed in Tilt Sensor Market
 - 3.2.1 Collaborations, Partnerships and Agreements:
 - 3.2.2 Product Launches:
 - 3.2.3 Expansions:
 - 3.2.4 Acquisition and Mergers:

CHAPTER 4. NORTH AMERICA TILT SENSORS MARKET BY MATERIAL TYPE

- 4.1 North America Non-Metal Tilt Sensors Market by Country
- 4.2 North America Metal Tilt Sensors Market by Country

CHAPTER 5. NORTH AMERICA TILT SENSORS MARKET BY APPLICATION

- 5.1 North America Tilt Sensors in Construction & Mining Market by Country
- 5.2 North America Tilt Sensors in Automotive & Transportation Market by Country
- 5.3 North America Tilt Sensors in Aerospace & Defense Market by Country
- 5.4 North America Tilt Sensors in Telecommunications Market by Country
- 5.5 North America Other Application Tilt Sensors Market by Country

CHAPTER 6. NORTH AMERICA TILT SENSORS MARKET BY TECHNOLOGY

- 6.1 North America MEMS Tilt Sensors Market by Country
- 6.2 North America Fluid-filled Tilt Sensors Market by Country
- 6.3 North America Force Balanced Tilt Sensors Market by Country

CHAPTER 7. NORTH AMERICA TILT SENSORS MARKET BY COUNTRY

- 7.1 US Tilt Sensors Market
 - 7.1.1 US Tilt Sensors Market by Material Type
 - 7.1.2 US Tilt Sensors Market by Application
 - 7.1.3 US Tilt Sensors Market by Technology
- 7.2 Canada Tilt Sensors Market
 - 7.2.1 Canada Tilt Sensors Market by Material Type
 - 7.2.2 Canada Tilt Sensors Market by Application
 - 7.2.3 Canada Tilt Sensors Market by Technology
- 7.3 Mexico Tilt Sensors Market
 - 7.3.1 Mexico Tilt Sensors Market by Material Type
 - 7.3.2 Mexico Tilt Sensors Market by Application
 - 7.3.3 Mexico Tilt Sensors Market by Technology
- 7.4 Rest of North America Tilt Sensors Market
 - 7.4.1 Rest of North America Tilt Sensors Market by Material Type
 - 7.4.2 Rest of North America Tilt Sensors Market by Application
 - 7.4.3 Rest of North America Tilt Sensors Market by Technology

CHAPTER 8. COMPANY PROFILES

- 8.1 Sick AG
 - 8.1.1 Company Overview
 - 8.1.2 Financial Analysis
 - 8.1.3 Regional Analysis
 - 8.1.4 Research & Development Expense
 - 8.1.5 Recent strategies and developments:

- 8.1.5.1 Expansions:
- 8.1.6 SWOT Analysis
- 8.2 IFM Electronics GmbH
 - 8.2.1 Company Overview
- 8.3 Jewell Instruments LLC
 - 8.3.1 Company Overview
 - 8.3.2 Recent strategies and developments:
 - 8.3.2.1 Product Launches:
- 8.4 Meggitt PLC
 - 8.4.1 Company Overview
 - 8.4.2 Financial Analysis
 - 8.4.3 Segmental and Regional Analysis
 - 8.4.4 Research & Development Expense
 - 8.4.5 Recent strategies and developments:
 - 8.4.5.1 Collaborations, Partnerships and Agreements:
 - 8.4.5.2 Product Launches:
 - 8.4.6 SWOT Analysis
- 8.5 Murata Manufacturing Co., Ltd.
 - 8.5.1 Company Overview
 - 8.5.2 Financial Analysis
 - 8.5.3 Segmental and Regional Analysis
 - 8.5.4 Research & Development Expense
 - 8.5.5 Recent strategies and developments:
 - 8.5.5.1 Expansions:
 - 8.5.5.2 Product Launches:
 - 8.5.6 SWOT Analysis
- 8.6 TE Connectivity Ltd.
 - 8.6.1 Company Overview
 - 8.6.2 Financial Analysis
 - 8.6.3 Segmental and Regional Analysis
 - 8.6.4 Research & Development Expense
 - 8.6.5 Recent strategies and developments:
 - 8.6.5.1 Acquisition and Mergers:
 - 8.6.6 SWOT Analysis
- 8.7 The Fredericks Company
 - 8.7.1 Company Overview
- 8.8 Balluff GmbH
 - 8.8.1 Company Overview
 - 8.8.2 Recent strategies and developments:

- 8.8.2.1 Acquisition and Mergers:
- 8.9 Baumer Holding AG
- 8.1 MEMSIC, Inc. (Total Force Limited)
 - 8.10.1 Company Overview
 - 8.10.2 Recent strategies and developments:
 - 8.10.2.1 Product Launches:

List Of Tables

LIST OF TABLES

TABLE 1 NORTH AMERICA TILT SENSORS MARKET, 2015 - 2018, USD MILLION

TABLE 2 NORTH AMERICA TILT SENSORS MARKET, 2019 - 2025, USD MILLION

TABLE 3 NORTH AMERICA TILT SENSORS MARKET BY MATERIAL TYPE, 2015 - 2018, USD MILLION

TABLE 4 NORTH AMERICA TILT SENSORS MARKET BY MATERIAL TYPE, 2019 - 2025, USD MILLION

TABLE 5 NORTH AMERICA NON-METAL TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 6 NORTH AMERICA NON-METAL TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 7 NORTH AMERICA METAL TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 8 NORTH AMERICA METAL TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 9 NORTH AMERICA TILT SENSORS MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 10 NORTH AMERICA TILT SENSORS MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 11 NORTH AMERICA TILT SENSORS IN CONSTRUCTION & MINING MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 12 NORTH AMERICA TILT SENSORS IN CONSTRUCTION & MINING MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 13 NORTH AMERICA TILT SENSORS IN AUTOMOTIVE & TRANSPORTATION MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 14 NORTH AMERICA TILT SENSORS IN AUTOMOTIVE & TRANSPORTATION MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 15 NORTH AMERICA TILT SENSORS IN AEROSPACE & DEFENSE MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 16 NORTH AMERICA TILT SENSORS IN AEROSPACE & DEFENSE MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 17 NORTH AMERICA TILT SENSORS IN TELECOMMUNICATIONS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 18 NORTH AMERICA TILT SENSORS IN TELECOMMUNICATIONS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 19 NORTH AMERICA OTHER APPLICATION TILT SENSORS MARKET BY

COUNTRY, 2015 - 2018, USD MILLION

TABLE 20 NORTH AMERICA OTHER APPLICATION TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 21 NORTH AMERICA TILT SENSORS MARKET BY TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 22 NORTH AMERICA TILT SENSORS MARKET BY TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 23 NORTH AMERICA MEMS TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 24 NORTH AMERICA MEMS TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 25 NORTH AMERICA FLUID-FILLED TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 26 NORTH AMERICA FLUID-FILLED TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 27 NORTH AMERICA FORCE BALANCED TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 28 NORTH AMERICA FORCE BALANCED TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 29 NORTH AMERICA TILT SENSORS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 30 NORTH AMERICA TILT SENSORS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 31 US TILT SENSORS MARKET, 2015 - 2018, USD MILLION

TABLE 32 US TILT SENSORS MARKET, 2019 - 2025, USD MILLION

TABLE 33 US TILT SENSORS MARKET BY MATERIAL TYPE, 2015 - 2018, USD MILLION

TABLE 34 US TILT SENSORS MARKET BY MATERIAL TYPE, 2019 - 2025, USD MILLION

TABLE 35 US TILT SENSORS MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 36 US TILT SENSORS MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 37 US TILT SENSORS MARKET BY TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 38 US TILT SENSORS MARKET BY TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 39 CANADA TILT SENSORS MARKET, 2015 - 2018, USD MILLION

TABLE 40 CANADA TILT SENSORS MARKET, 2019 - 2025, USD MILLION

TABLE 41 CANADA TILT SENSORS MARKET BY MATERIAL TYPE, 2015 - 2018, USD MILLION

TABLE 42 CANADA TILT SENSORS MARKET BY MATERIAL TYPE, 2019 - 2025, USD MILLION

TABLE 43 CANADA TILT SENSORS MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 44 CANADA TILT SENSORS MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 45 CANADA TILT SENSORS MARKET BY TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 46 CANADA TILT SENSORS MARKET BY TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 47 MEXICO TILT SENSORS MARKET, 2015 - 2018, USD MILLION

TABLE 48 MEXICO TILT SENSORS MARKET, 2019 - 2025, USD MILLION

TABLE 49 MEXICO TILT SENSORS MARKET BY MATERIAL TYPE, 2015 - 2018, USD MILLION

TABLE 50 MEXICO TILT SENSORS MARKET BY MATERIAL TYPE, 2019 - 2025, USD MILLION

TABLE 51 MEXICO TILT SENSORS MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 52 MEXICO TILT SENSORS MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 53 MEXICO TILT SENSORS MARKET BY TECHNOLOGY, 2015 - 2018, USD MILLION

TABLE 54 MEXICO TILT SENSORS MARKET BY TECHNOLOGY, 2019 - 2025, USD MILLION

TABLE 55 REST OF NORTH AMERICA TILT SENSORS MARKET, 2015 - 2018, USD MILLION

TABLE 56 REST OF NORTH AMERICA TILT SENSORS MARKET, 2019 - 2025, USD MILLION

TABLE 57 REST OF NORTH AMERICA TILT SENSORS MARKET BY MATERIAL TYPE, 2015 - 2018, USD MILLION

TABLE 58 REST OF NORTH AMERICA TILT SENSORS MARKET BY MATERIAL TYPE, 2019 - 2025, USD MILLION

TABLE 59 REST OF NORTH AMERICA TILT SENSORS MARKET BY APPLICATION, 2015 - 2018, USD MILLION

TABLE 60 REST OF NORTH AMERICA TILT SENSORS MARKET BY APPLICATION, 2019 - 2025, USD MILLION

TABLE 61 REST OF NORTH AMERICA TILT SENSORS MARKET BY TECHNOLOGY,

2015 - 2018, USD MILLION

TABLE 62 REST OF NORTH AMERICA TILT SENSORS MARKET BY TECHNOLOGY,
2019 - 2025, USD MILLION

TABLE 63 KEY INFORMATION – SICK AG

TABLE 64 KEY INFORMATION – IFM ELECTRONICS GMBH

TABLE 65 KEY INFORMATION – JEWELL INSTRUMENTS LLC

TABLE 66 KEY INFORMATION – MEGGITT PLC

TABLE 67 KEY INFORMATION –MURATA MANUFACTURING CO., LTD.

TABLE 68 KEY INFORMATION –TE CONNECTIVITY LTD.

TABLE 69 KEY INFORMATION – THE FREDERICKS COMPANY

TABLE 70 KEY INFORMATION – BALLUFF GMBH

TABLE 71 KEY INFORMATION – BAUMER HOLDING AG

TABLE 72 KEY INFORMATION – MEMSIC, INC.

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 KBV CARDINAL MATRIX

FIG 3 SWOT ANALYSIS: SICK AG

FIG 4 SWOT ANALYSIS: MEGGITT PLC

FIG 5 SWOT ANALYSIS: MURATA MANUFACTURING CO., LTD.

FIG 6 SWOT ANALYSIS: TE CONNECTIVITY LTD.

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