

Sensors Markets: A Global Outlook

<https://marketpublishers.com/r/S0C63E61CA9EN.html>

Date: April 2019

Pages: 250

Price: US\$ 2,750.00 (Single User License)

ID: S0C63E61CA9EN

Abstracts

REPORT SCOPE:

The scope of the report includes, a general outlook of the sensor industry, with the scope limited to reports published by BCC Research during the year 2017 and 2018. This report covers only conventional sensors such as pressure, temperature, level, flow and position sensors, and excludes unconventional sensors such as pointing sensors used in touch screens and touch-pads, barcode readers and radio frequency identification (RFID) readers; remote readout and intelligent power meters; gas and water meters; and remote readout heat meters. Estimated values used are based on manufacturers' total revenues. Projected and forecasted revenue values are in constant U.S. dollars, unadjusted for inflation. The scope is limited to the recent studies published by BCC Research and is thus not exhaustive.

REPORT INCLUDES:

53 data tables

An overview of global outlook and sensors market analysis

Detailed description of conventional sensors such as pressure, temperature, level, flow and position sensors and description of their potential applications

Information on radar and radar sensors and description of their properties and advantages

Identification of segments with high growth potential and discussion of future prospects

Examination of key trends related to types, applications and regional factors that shape and influence the overall sensors industry

Insights into government initiatives for smart industrialization in developing economies

Profiles of major players in the industry including Ametek Inc., Delphi Corp., Hitachi Automotive Systems, Panasonic Electric Works and Philips Photonics

Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing the Study
Scope and Format
Intended Audience
Methodology and Information Sources
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 SENSORS TECHNOLOGY OVERVIEW

Overview of Sensor Technologies
Basic Sensor Technologies
Types of Sensors
Image Sensors
Introduction
Types of Image Sensors
Biosensors
Types of Biosensors
Recent Innovations in Biosensors
Internet of Things (IoT) Sensors
Introduction
Types of IoT Sensors
Recent Innovations in IoT Sensors
Chemical Sensors
Introduction
Types of Chemical Sensors
Techniques to Analyze Odors
Fingerprint Sensors
Capacitive Fingerprint Sensors
Optical Fingerprint Sensors
Thermal Fingerprint Sensors
Pressure Fingerprint Sensors

Radio Frequency Fingerprint Sensors
Ultrasonic Fingerprint Sensors
Static Fingerprint Reader/Sensors
Swipe Fingerprint Reader/Sensors
Radar Sensors
Radar Sensors, by Technology
Radar Sensors, by Type
Load, Force and Torque Sensors
Load and Force Sensors
Torque Sensors
Position Sensors
Displacement Position Sensors
Proximity Sensors
Pressure Sensors
Introduction
Types of Pressure Sensors
Temperature Sensors
Introduction
Types of Temperature Sensors
Flow Sensors
Types of Flow Sensors Based on Type of Flow
Types of Flow Sensors Based on Technology
New Developments in Flow Sensors
Level Sensors
Introduction
Types of Level Sensors
New Developments in Flow Sensors
Wireless Sensors
Introduction
Types of Wireless Sensors
Fiber Optic Sensors
Introduction
Types of Fiber Optic Sensors
Miscellaneous Sensors
Introduction
Types of Miscellaneous Sensors

CHAPTER 4 MARKET FOR SENSORS BY TECHNOLOGY

Introduction
Image Sensors
Introduction
Market Size and Forecast
Biosensors
Introduction
Market Size and Forecast
IoT Sensors
Introduction
Market Size and Forecast
Chemical Sensors
Introduction
Market Size and Forecast
Fingerprint Sensors
Introduction
Market Size and Forecast
Radar Sensors
Introduction
Market Size and Forecast
Load, Force and Torque Sensors
Introduction
Market Size and Forecast
Position Sensors
Introduction
Market Size and Forecast
Pressure Sensors
Introduction
Market Size and Forecast
Temperature Sensors
Introduction
Market Size and Forecast
Flow Sensors
Introduction
Market Size and Forecast
Level Sensors
Introduction
Market Size and Forecast
Wireless Sensors
Introduction

Market Size and Forecast

Fiber Optic Sensors

Introduction

Market Size and Forecast

Miscellaneous Sensors

Introduction

Market Size and Forecast

CHAPTER 5 MARKET FOR SENSORS BY END USER

Introduction

Sensor Applications in the Automotive Industry

Introduction

Standard Sensors used in Various Applications in the Automotive Industry

Special Sensors in Automotive Applications

Market Size and Forecast

Sensor Applications in the Process Industries

Introduction

Sensor Applications in Petrochemical/Oil and Gas Industry

Sensor Applications in Food, Dairy and Beverage Industry

Sensor Applications in Manufacture of Pharmaceuticals

Sensor Applications in the Chemical Industry

Market Size and Forecast

Sensor Applications in the Consumer Electronics

Introduction

Market Size and Forecast

Sensor Applications in the Medical Industry

Introduction

Examples of Applications of Sensors in the Medical Industry

Special Applications of Sensors in the Medical Industry

Market Size and Forecast

Sensor Applications in the Machinery Manufacturing

Introduction

Market Size and Forecast

Sensor Applications in the Building Construction

Introduction

Market Size and Forecast

Sensor Applications in the Aircraft and Ships

Introduction

Sensor Applications in Aircraft
Sensors in “Intelligent Aircraft Tires”
Sensor Applications in Ships
Market Size and Forecast
Sensor Applications in the Miscellaneous Fields
Introduction
Environmental Applications
Mining Applications
Power Plant Applications
Microwave-Resonator-Based Sensors
Micro-Optical Sensor Automates Control of Bioprocesses
Sensor to Detect Carbon Monoxide Poisoning
Magnetic Sensor for Banknote Validation
Wireless Sensor to Detect Moisture from Plant Leaves
Sensor for Golf Swing Monitor
Sensors in Shoes for Feedback of a Runner’s Performance
Market Size and Forecast

CHAPTER 6 COMPANY PROFILES

AB ELECTRONIK
ACCEL AB
ALEPH AMERICA
ALLEGRO MICROSYSTEMS, INC.
ALPHASENSE LTD.
ALPS ELECTRIC CO. LTD.
AMERICAN ELECTRONIC COMPONENTS, INC.
AMERICAN SENSOR TECHNOLOGIES, INC.
AMETEK INC.
AMS AG
ANALOG DEVICES, INC.
APPLIED TECHNOLOGY ASSOCIATES
APTINA IMAGING CORP.
ATI INDUSTRIAL AUTOMATION
AUTOLIV INC.
AUTOMOTIVE TECHNOLOGIES INTERNATIONAL, INC.
BANNER ENGINEERING CORP.
BAUMER HOLDINGS AG
BEBOP SENSORS INC.

BEI SENSORS
BINSFELD ENGINEERING, INC.
BOKAM ENGINEERING, INC.
BOONTON ELECTRONICS CORP.
BORGWARNER BERU SYSTEMS GMBH
BOSCH SENSORTEC GMBH
BOURNS SENSORS GMBH
CAMBRIDGE CMOS SENSORS LTD.
CASCO PRODUCTS CORP.
CITY TECHNOLOGY LTD.
COGNEX CORP.
COLIBRYS SA
COMUS INTERNATIONAL BVBA
CONAX TECHNOLOGIES
CONTELEC AG
CONTINENTAL AG
CONTI TEMIC MICROELECTRONIC GMBH
COOPER INSTRUMENTS & SYSTEMS
CTS CORP.
CUSTOM SENSORS & TECHNOLOGIES (CST)
CYBEROPTICS CORP.
CYNERGY 3 COMPONENTS LTD.
D&R TECHNOLOGY LLC
DELPHI AUTOMOTIVE PLC
DELPHI CORP.
DENSO CORP.
DER EE ELECTRICAL INSTRUMENT CO. LTD.
DRAEGER SAFETY INC.
E2V TECHNOLOGIES PLC
ELECTRICFIL AUTOMOTIVE
ELECTRO-SENSORS, INC.
ELMOS SEMICONDUCTOR AG
EMERSON PROCESS MANAGEMENT
ENDRESS+HAUSER INSTRUMENTS INTERNATIONAL AG
EPCOS AG
E.S.I. ENVIRONMENTAL SENSORS INC.
EXERGEN CORP.
FBGS TECHNOLOGIES GMBH
FIGARO ENGINEERING INC.

FINGERPRINT CARDS AB
FIRST SENSOR AG
FISO TECHNOLOGIES INC.
FLEXPOINT SENSOR SYSTEMS, INC.
FLINTEC GMBH
FLIR SYSTEMS, INC.
FLOWLINE, INC.
FLOW TECHNOLOGY, INC.
FREESCALE SEMICONDUCTOR, INC.
GALAXYCORE, INC.
GE MEASUREMENT & CONTROL
GEMS SENSORS & CONTROLS
GEORGE FISCHER CORP.
GPIXEL INC.
HAMAMATSU PHOTONICS KK
HAMLIN ELECTRONICS
HANS TURCK GMBH & CO. KG
HEIDENHAIN CORP.
HELLA KGAA HUECK & CO.
HITACHI AUTOMOTIVE SYSTEMS
HONEYWELL SENSING & CONTROLS
IDEX ASA
IFM ELECTRONIC GMBH
I.G. BAUERHIN GMBH
INFINEON TECHNOLOGIES AG
INNOVATIVE SENSOR TECHNOLOGY IST AG
INTERNATIONAL SENSOR TECHNOLOGY
INTEGRATED SENSING SYSTEMS, INC.
INTERFACE, INC.
INTERLINK ELECTRONICS, INC.
INTERSEMA SENSORIC SA
INVENSENSE
INVISAGE TECHNOLOGIES, INC.
IR-TEC INTERNATIONAL LTD.
ISORG
JEWELL INSTRUMENTS LLC
JOHNSON CONTROLS INC.
J-TEC ASSOCIATES, INC.
JUMO GMBH & CO. KG

KAVILCO
KEIHIN CORP.
KEYENCE CORP.
KEY SAFETY SYSTEMS, INC.
KIONIX, INC.
KISTLER INSTRUMENTE GMBH
LEDDARTECH INC.
LITTELFUSE, INC.
LORD MICROSTRAIN SENSING SYSTEMS
LTI HOLDING GMBH & CO. KG
MAGNA INTERNATIONAL INC.
MAXIMA TECHNOLOGIES
MEASUREMENT SPECIALITIES, INC.
MEGGITT SENSING SYSTEMS
MELEXIS MICROELECTRONIC SYSTEMS
MEMSIC, INC.
METHODE ELECTRONICS, INC.
MICROE SYSTEMS, INC.
MICRONAS SEMICONDUCTOR HOLDING AG
MICRON OPTICS, INC.
MICROSTRAIN, INC.
MIDORI PRECISIONS CO. LTD.
MINDA STONERIDGE INSTRUMENTS LTD.
MITSUBISHI ELECTRIC CORP.
MOOG CROSSBOW
MOTION SENSORS, INC.
MRU INSTRUMENT, INC.
MTS SYSTEMS CORP.
MURATA ELECTRONICS OY
MURATA MANUFACTURING CO. LTD.
NEOPTIX INC.
NEXT BIOMETRICS GROUP ASA
NGK SPARK PLUG CO. LTD.
NIDEC ELESYS AMERICAS CORP.
NIPPON ALEPH CORP.
NIPPON CERAMIC CO. LTD.
NONIN MEDICAL, INC.
NOVA BIOMEDICAL CORP.
NOVOTECHNIK U.S. INC.

NP PHOTONICS, INC.
NXP SEMICONDUCTORS
NXP USA INC.
OCEAN OPTICS, INC.
OMRON CORP.
OMRON SCIENTIFIC TECHNOLOGIES, INC.
ONCQUE CORP.
OPSENS INC.
OPTEK TECHNOLOGY, INC.
OPTEX CO. LTD.
OSRAM OPTO SEMICONDUCTORS GMBH
PANASONIC ELECTRIC WORKS
PCB PIEZOTRONICS, INC.
PEPPERL+FUCHS
PHILIPS PHOTONICS
PIXART IMAGING INC.
PIXELPLUS CO. LTD.
PLK TECHNOLOGIES CO. LTD.
PREH GMBH
PROXIMION AB
PROXIMITY CONTROLS
QUALTR?, INC.
RAE SYSTEMS, INC.
RAYTEK CORP.
RDP ELECTROSENSE INC.
RFMICRON, INC.
ROBERT BOSCH GMBH
ROSEMOUNT INC.
SCHRADER INTERNATIONAL, INC.
SENSANT CORP.
SENSATA TECHNOLOGIES BV
SENSEAIR AB
SENSEOR SAS
SENSIRION AG
SENSITEC GMBH
SENSORAR TECHNOLOGIES AS
SENSORMATE AG
SENSORNET LTD.
SENSOR SCIENTIFIC, INC.

SGX SENSORTECH LTD.
SHANGHAI NICERA SENSOR CO. LTD.
SHANGHAI TM AUTOMATION INSTRUMENTS CO. LTD.
SICK AG
SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC.
SILICON MICROSTRUCTURES, INC.
SILICON SENSING SYSTEMS LTD.
SMART SENSORS AND TRANSDUCERS LTD.
SMITHS DETECTION INC.
SSI TECHNOLOGIES, LLC
STANDEX ELECTRONICS, INC.
STANDEX-MEDER ELECTRONICS
STMICROELECTRONICS
STONERIDGE, INC.
SUMITOMO ELECTRIC INDUSTRIES LTD.
TACTUAL LABS CO.
TAKATA CORP.
TAMAGAWA SEIKI CO. LTD.
TDK-EPC CORP.
TE CONNECTIVITY LTD.
TEKSCAN, INC.
TELEDYNE MONITOR LABS INC.
TEXAS INSTRUMENTS INC.
THERM-O-DISC INC.
TOWER SEMICONDUCTOR LTD.
TRANSDUCER TECHNIQUES, LLC
TT ELECTRONICS PLC
TURCK INC.
VALEO SA
VARIOHM EUROSENSOR LTD.
VISHAY PRECISION GROUP
VISTEON CORP.
WABASH TECHNOLOGIES, INC.
WATLOW ELECTRIC MANUFACTURING CO.
XENSOR CORP.
ZEPHYR TECHNOLOGY CORP.
ZF TRW AUTOMOTIVE HOLDINGS CORP.

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Sensors, by End User Industry, Through 2023

Table 1: Basic Classification of Sensor Technologies

Table 2: Comparison of CCD and CMOS Image Sensor Technologies

Table 3: Global Market for Sensors, by Type of Sensor, Through 2023

Table 4: Global Market for Image Sensors, by Type, Through 2023

Table 5: Global Market for Image Sensors, by Region, Through 2023

Table 6: Global Market for Biosensors, by Type, Through 2023

Table 7: Global Market for Biosensors, by Region, Through 2023

Table 8: Global Market for IoT Sensors, by Type, Through 2023

Table 9: Global Market for IoT Sensors, by Region, Through 2023

Table 10: Global Market for Chemical Sensors, by Type, Through 2023

Table 11: Global Market for Chemical Sensors, by Region, Through 2023

Table 12: Global Market for Fingerprint Sensors, by Type, Through 2023

Table 13: Global Market for Fingerprint Sensors, by Region, Through 2023

Table 14: Global Market for Radar Sensors, by Type, Through 2023

Table 15: Global Market for Radar Sensors, by Region, Through 2023

Table 16: Global Market for Load, Force and Torque Sensors, by Type, Through 2023

Table 17: Global Market for Load, Force and Torque Sensors, by Region, Through 2023

Table 18: Global Market for Position Sensors, by Type, Through 2023

Table 19: Global Market for Position Sensors, by Region, Through 2023

Table 20: Global Market for Pressure Sensors, by Type, Through 2023

Table 21: Global Market for Pressure Sensors, by Region, Through 2023

Table 22: Global Market for Temperature Sensors, by Type, Through 2023

Table 23: Global Market for Temperature Sensors, by Region, Through 2023

Table 24: Global Market for Flow Sensors, by Type, Through 2023

Table 25: Global Market for Flow Sensors, by Region, Through 2023

Table 26: Global Market for Level Sensors, by Type, Through 2023

Table 27: Global Market for Level Sensors, by Region, Through 2023

Table 28: Global Market for Wireless Sensors, by Type, Through 2023

Table 29: Global Market for Wireless Sensors, by Region, Through 2023

Table 30: Global Market for Fiber Optic Sensors, by Type, Through 2023

Table 31: Global Market for Fiber Optic Sensors, by Region, Through 2023

Table 32: Global Market for Miscellaneous Sensors, by Type, Through 2023

Table 33: Global Market for Miscellaneous Sensors, by Region, Through 2023

Table 34: Global Market for Sensor Applications, by End User Industry, Through 2023

Table 35: Sensors used for Various Functions in Automobiles

Table 36: Global Market for Sensor Applications in the Automobile Industry, by Type, Through 2023

Table 37: Global Market for Sensor Applications in the Automobile Industry, by Type of Sensor, Through 2023

Table 38: Global Market for Sensor Applications in the Process Industries, by Type, Through 2023

Table 39: Global Market for Sensor Applications in the Process Industries, by Type of Sensor, Through 2023

Table 40: Applications of Various Sensors in Consumer Applications

Table 41: Global Market for Sensor Applications in the Consumer Electronics, by Type, Through 2023

Table 42: Global Market for Sensor Applications in the Consumer Electronics, by Type of Sensor, Through 2023

Table 43: Global Market for Sensor Applications in the Medical Industry, by Type, Through 2023

Table 44: Global Market for Sensor Applications in the Medical Industry, by Type of Sensor, Through 2023

Table 45: Global Market for Sensor Applications in the Machinery Manufacturing, by Type, Through 2023

Table 46: Global Market for Sensor Applications in the Machinery Manufacturing, by Type of Sensor, Through 2023

Table 47: Global Market for Sensor Applications in the Building Construction, by Type, Through 2023

Table 48: Global Market for Sensor Applications in the Building Construction, by Type of Sensor, Through 2023

Table 49: Global Market for Sensor Applications in the Aircraft and Ships, by Type, Through 2023

Table 50: Global Market for Sensor Applications in the Aircraft and Ships, by Type of Sensor, Through 2023

Table 51: Global Market for Sensor Applications in the Miscellaneous Fields, by Type, Through 2023

Table 52: Global Market for Sensor Applications in the Miscellaneous Fields, by Type of Sensor, Through 2023

List Of Figures

LIST OF FIGURES

Summary Figure: Global Market for Sensors, by End User Industry, 2017-2023

Figure 1: Global Market for Sensors, by Type of Sensor, 2017-2023

Figure 2: Global Market for Image Sensors, by Type, 2017-2023

Figure 3: Global Market for Image Sensors, by Region, 2017-2023

Figure 4: Global Market for Biosensors, by Type, 2017-2023

Figure 5: Global Market for Biosensors, by Region, 2017-2023

Figure 6: Global Market for IoT Sensors, by Type, 2017-2023

Figure 7: Global Market for IoT Sensors, by Region, 2017-2023

Figure 8: Global Market for Chemical Sensors, by Type, 2017-2023

Figure 9: Global Market for Chemical Sensors, by Region, 2017-2023

Figure 10: Global Market for Fingerprint Sensors, by Type, 2017-2023

Figure 11: Global Market for Fingerprint Sensors, by Region, 2017-2023

Figure 12: Global Market for Radar Sensors, by Type, 2017-2023

Figure 13: Global Market for Radar Sensors, by Region, 2017-2023

Figure 14: Global Market for Load, Force and Torque Sensors, by Type, 2017-2023

Figure 15: Global Market for Load, Force and Torque Sensors, by Region, 2017-2023

Figure 16: Global Market for Position Sensors, by Type, 2017-2023

Figure 17: Global Market for Position Sensors, by Region, 2017-2023

Figure 18: Global Market for Pressure Sensors, by Type, 2017-2023

Figure 19: Global Market for Pressure Sensors, by Region, 2017-2023

Figure 20: Global Market for Temperature Sensors, by Type, 2017-2023

Figure 21: Global Market for Temperature Sensors, by Region, 2017-2023

Figure 22: Global Market for Flow Sensors, by Type, 2017-2023

Figure 23: Global Market for Flow Sensors, by Region, 2017-2023

Figure 24: Global Market for Level Sensors, by Type, 2017-2023

Figure 25: Global Market for Level Sensors, by Region, 2017-2023

Figure 26: Global Market for Wireless Sensors, by Type, 2017-2023

Figure 27: Global Market for Wireless Sensors, by Region, 2017-2023

Figure 28: Global Market for Fiber Optic Sensors, by Type, 2017-2023

Figure 29: Global Market for Fiber Optic Sensors, by Region, 2017-2023

Figure 30: Global Market for Miscellaneous Sensors, by Type, 2017-2023

Figure 31: Global Market for Miscellaneous Sensors, by Region, 2017-2023

Figure 32: Global Market for Sensor Applications, by End User Industry, 2017-2023

Figure 33: Global Market for Sensor Applications in the Automobile Industry, by Type, 2017-2023

Figure 34: Global Market for Sensor Applications in the Automobile Industry, by Type of Sensor, 2017-2023

Figure 35: Global Market for Sensor Applications in the Process Industries, by Type, 2017-2023

Figure 36: Global Market for Sensor Applications in the Process Industries, by Type of Sensor, 2017-2023

Figure 37: Global Market for Sensor Applications in the Consumer Electronics, by Type, 2017-2023

Figure 38: Global Market for Sensor Applications in the Consumer Electronics, by Type of Sensor, 2017-2023

Figure 39: Global Market for Sensor Applications in the Medical Industry, by Type, 2017-2023

Figure 40: Global Market for Sensor Applications in the Medical Industry, by Type of Sensor, 2017-2023

Figure 41: Global Market for Sensor Applications in the Machinery Manufacturing, by Type, 2017-2023

Figure 42: Global Market for Sensor Applications in the Machinery Manufacturing, by Type of Sensor, 2017-2023

Figure 43: Global Market for Sensor Applications in the Building Construction, by Type, 2017-2023

Figure 44: Global Market for Sensor Applications in the Building Construction, by Type of Sensor, 2017-2023

Figure 45: Global Market for Sensor Applications in the Aircraft and Ships, by Type, 2017-2023

Figure 46: Global Market for Sensor Applications in the Aircraft and Ships, by Type of Sensor, 2017-2023

Figure 47: Global Market for Sensor Applications in the Miscellaneous Fields, by Type, 2017-2023

Figure 48: Global Market for Sensor Applications in the Miscellaneous Fields, by Type of Sensor, 2017-2023

I would like to order

Product name: Sensors Markets: A Global Outlook

Product link: <https://marketpublishers.com/r/S0C63E61CA9EN.html>

Price: US\$ 2,750.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S0C63E61CA9EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970