

Chemical Sensors: Market Research Report

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Abstracts

This report analyzes the worldwide markets for Chemical Sensors in US\$ Million by the following End-Use Segments: Medical, Industrial, Environmental Monitoring, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2014 through 2020. Also, a seven-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 68 companies including many key and niche players such as -

Alphasense Limited

City Technology, Ltd.

Delphi Corporation

Emerson Process Management

Figaro Engineering, Inc.



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Concerns Over Terror Threats Drive Market for Gas Sensors in Defense & Security **Applications** Multigas Sensors: Important Safety Tools for Mining Environments Multi Gas Functionality Revives Catalytic Gas Detectors Market Established Role in Automotive Exhaust & Emissions Control Systems: A Strong Business Case for Oxygen Sensors Rising Energy Costs & Stringent Environmental Mandates Spur Adoption of CO2 Sensors CO2 Sensors Enjoy Greater Penetration in Agri-Food Sector Product Innovations, Expanding Applications Will Kindle Growth Improving Selectivity & Sensitivity – The Current Focus Area of Technical Development Miniaturization: The Face of the Future Nano-Sensor Technology Demonstrate Bright Future Prospects Wearable Chemical Sensors: An Upcoming Novelty Increasing Environmental and Safety Legislation Will Create Demand Manufacturers Outsource Production for Achieving Production Cost Efficiency Falling Prices – A Double Edged Sword **Competitive Landscape** Entry Barriers and High Switching Costs **Distribution Plays a Pivotal Role** e-Commerce and Sensor Distribution

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Chemical Sensors Product Classification

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2) OPTICAL CHEMICAL SENSORS

3) PELLISTOR/CATALYTIC BEAD SENSORS

4) SEMICONDUCTOR SENSORS

5) **BIOSENSORS**

End-Use Applications Medical



Industry Environmental Monitoring Others (Including Defense Sector among Others)

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City Technology Unveils Six New Electrochemical Sensors Mine Safety Appliances Africa offers Altair 4X Mining Gas Detector Ocean Optics Launches EMBED Miniature Spectrometer GF Piping Systems Launches Optical Dissolved Oxygen Sensor MSA Offers SO2/H2S-LC XCell Sensor for ALTAIR 4X Multigas Detectors SST Introduces NDIR CO2 Sensor Spectra Premium Unveils Oxygen Sensors Line Figaro Launches TGS2603 Air Quality Sensor Figaro Engineering Offers TGS5000 Series of Electrochemical Sensors Senova Systems to Unveil pHitTM Sensors Texas Instruments Launches Configurable Analog Front Ends Process Analytics Division of Mettler Toledo Introduces Dissolved Oxygen Sensors Series Process Analytics Division of Mettler Toledo Introduces Dissolved CO2 Sensors Series Mettler Toledo Introduces InPro 6860i Line of Dissolved Oxygen Sensors for Biopharma Applications RAE Systems Introduces AutoRAE 2 System RAE Systems Unveils ProRAE Guardian Cloud Server Nova Biomedical Unveils Wireless Connectivity Solution Figaro Launches Chlorofluorocarbons Sensor AppliedSensor to Launch iAQ Duct Kit Bosch Introduces Oxygen Sensor System OE SmartLink Alphasense Unveils AFE Programmable Device City Technology Launches 4OXeco LP Sensor Building Protection Systems Unveils Sentry One Smart Sensors

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ams to Acuire AppliedSensor

New Jersey State Police Selects HazMatID Elite of Smiths Detection Thermo Fisher Scientific to Take Over Life Technologies Smiths Detection Obtains Contract from Joint Program Executive Office of DoD Honeywell to Acquire RAE Systems



Techcomp Group Acquires Majority Stake in Edinburgh Instruments Delphi Automotive Commences Operations at Beijing Technical Center

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Alphasense Limited (UK) City Technology, Ltd (UK) Delphi Corporation (USA) Emerson Process Management (USA) Figaro Engineering, Inc (Japan) Mine Safety Appliances Company (USA) NGK Spark Plug Company Limited (Japan) Nova Biomedical Corporation (USA) Ocean Optics Inc (USA) RAE Systems, Inc (USA) Smiths Detection (UK) Teledyne Monitor Labs, Inc (USA)

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