

Global Gas Detection Equipment Market – Detector Types, Sensor Technologies and Applications

“The report reviews, analyzes and projects the global market for Gas Detection Equipment for the period 2017-2026. This report analyzes the market for Gas Detection detector types encompassing Fixed Gas Detectors and Portable Gas Detectors. The market for major applications of Gas Detection Equipment studied in this report includes Building & Construction, Chemical/Petrochemical & Refineries, Mining, Oil & Gas, Power Generation, Water Treatment and Others. The study also analyzes the market for sensor technologies of Gas Detection Equipment comprising Catalytic Bead, Electrochemical, Infrared and Semiconductor.”

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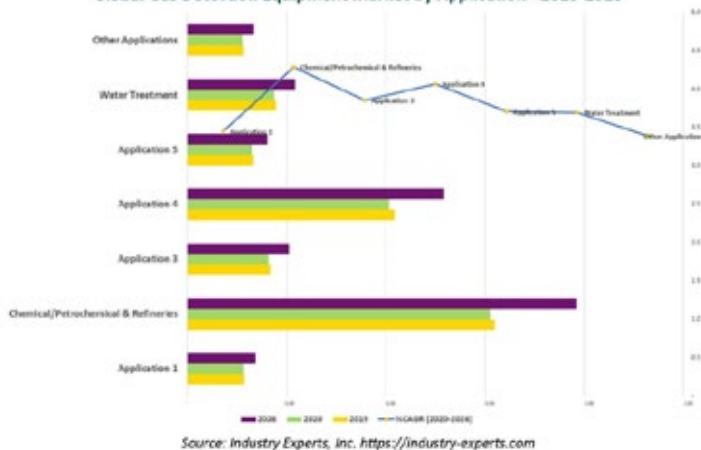
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Report Synopsis

Gas Detection Equipment finds application in a range of industries as the primary option for the early detection of leakage of flammable and toxic gases and vapors, owing to which these systems have maintained relatively good demand. The Chemical/Petrochemical and Refinery sector is the largest, as also the fastest growing, market for these devices, as they play a critical role in saving human lives and other assets in case of serious mishaps associated with this industry. Detection of toxic and flammable gases is a key component of these systems, and, if achieved with early warning signs, can be crucial.

The global demand for Gas Detection Equipment by application is the largest for Chemical/Petrochemical & Refineries which is estimated at a share of about 36% in 2020; and is also primed to register the fastest 2020-2026 CAGR. The overall global Gas Detection Equipment market for 2021 is expected to reach \$4.4 billion.

Global Gas Detection Equipment Market by Application - 2019-2026



Research Findings & Coverage

- This global market research report on Gas Detection Equipment analyzes the market with respect to detector types, sensor technologies and applications
- Gas Detection Equipment market size is estimated/projected in this report by detector type, sensor technology and by application across all major countries
- Opportunities for IoT-Enabled Gas Sensors in Environment Monitoring on the Rise
- Gas Sensors Based on Carbon Nanotubes Gain Traction
- Smart Gas Sensors Boost “Smartness” of Sensing Technology

- Polymer Gas Sensors Exhibit Versatility
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 29
- The industry guide includes the contact details for 255 companies

Product Outline

The market for detection types of Gas Detection Equipment studied in this report comprise the following:

- Fixed Gas Detectors
- Portable Gas Detectors
 - Multi-Gas Detectors
 - Single Gas Detectors

The report analyzes the market for the following sensor technologies of Gas Detection Equipment:

- Catalytic Bead
- Electrochemical
- Infrared
- Semiconductor

Applications market for Gas Detection Equipment explored in this study comprise:

- Building & Construction
- Chemical/Petrochemical & Refineries
- Mining
- Oil & Gas
- Power Generation
- Water Treatment
- Other Applications

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Gas Detection Equipment market for the period 2017-2026 in terms of value in US\$; and the compound annual growth rates (CAGRs) projected from 2020 through 2026 with a special focus on y-o-y for 2019-2020

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, Russia, Spain, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan, South Korea and Rest of Asia-Pacific)
- **South America** (Argentina, Brazil and Rest of South America)
- **Rest of World**

SAMPLE COMPANY PROFILE

EMERSON ELECTRIC CO.

8000 West Florissant Avenue, P.O. Box 4100, St. Louis, Missouri 63136
United States
Phone: +1 314 553 2000
Website: www.emerson.com

Business Overview

Missouri, United States based Emerson Electric Co. is engaged in operations through its Automation Solutions and Commercial & Residential Solutions businesses. The Automation Solutions business is engaged in offering operations management software, automation & control software, advanced industry software, measurement instrumentation, valves, actuators & regulators, fluid control & pneumatics, control & safety systems, asset performance management, electrical components & lighting, and welding, assembly & cleaning solutions for use in automotive, industrial energy & onsite utilities, OEM / engineered solutions providers, power, chemical, life sciences & medical, oil & gas, pulp & paper, downstream hydrocarbons, mining, minerals & metals, packaging, water/ wastewater, food and beverage, marine, and medical industry sectors; while the Commercial & Residential Solutions business is engaged in offering heating & air conditioning, refrigeration & cold chain, professional tools and vacuums, home products, and commercial building solutions for use in commercial buildings & construction, energy & utilities, facility management & maintenance, food retail, food service & hospitality, professional tools, residential construction & home improvement, and transportation sectors. The measurement instrumentation solutions offered by the company encompasses pressure measurement, liquid analysis, flow measurement, gas analysis, level measurement, flame & gas detection, temperature measurement, marine measurement & analytical, industrial wireless technology, hygienic & sanitary measurement, corrosion & erosion monitoring, flow measurement systems, tank gauging system, blending and pigging solutions, and density & viscosity measurement.

Emerson's industrial flame & gas detection systems encompass:

- Gas Detectors & Sensors: a complete line of transmitters and sensors for continuous combustible and toxic gas detection, including fixed point gas detection transmitters, traditional fixed toxic and combustible gas detectors with paired sensor-transmitter configurations, toxic gas sensors, combustible gas sensors with infrared and catalytic bead sensing technologies

Products include Rosemount™ 928 Wireless Gas Monitor, Rosemount™ 628 Universal Gas Sensor, Net Safety Millennium II Single Channel Transmitter, Net Safety Millennium II Dual Channel Transmitter, Net Safety Millennium II BASIC Single Channel Transmitter, Net Safety Millennium II ST3 XChem Toxic Gas Sensor [Electrochemical], Net Safety Millennium II SC311 Infrared Combustible Gas Sensors, Net Safety Millennium II SC310 Catalytic Bead Combustible Gas Sensor, Net Safety Millennium ST Electrochemical Toxic Gas Detector, and Net Safety Millennium SC1100 Catalytic Bead Combustible Gas Detector

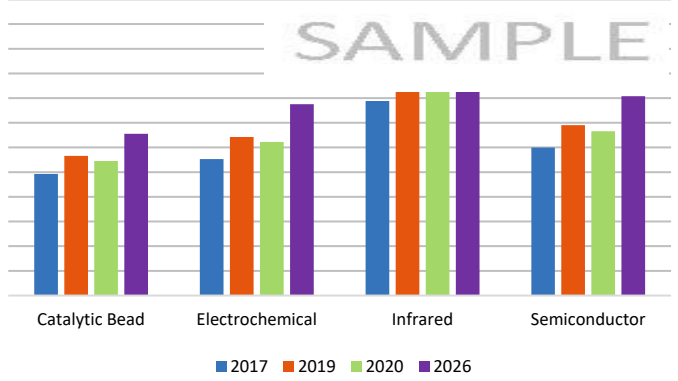
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SAMPLE TABLE/CHART

Glance at 2020 Global Gas Detection Equipment Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World



North American Gas Detection Equipment Market Analysis (2017-2026) by Sensor Technology – Catalytic Bead, Electrochemical, Infrared and Semiconductor in USD Million



KEY PLAYERS PROFILED

- 3M Company
- ABB Ltd.
- Agilent Technologies, Inc.
- Airstest Technologies Inc.
- Bacharach, Inc.
- California Analytical Instruments, Inc.
- Drägerwerk AG & Co. KGaA
- Emerson Electric Co.
- Gastech Australia Pty Ltd
- General Electric Company
- Honeywell International, Inc.
- Industrial Scientific
- MSA Safety Incorporated
- Riken Keiki Co., Ltd.
- Robert Bosch GmbH
- Schauenburg Group
- Siemens AG
- Teledyne Technologies Incorporated
- Thermo Fisher Scientific Inc.
- Trolex Limited
- Tyco Fire & Integrated Solutions AS
- Yokogawa Electric Corporation

.....more

TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE 1

1. INTRODUCTION1

1.1 Product Outline..... 4

1.1.1 The Term “GAS” Explained..... 4

1.1.1.1 Composition of Air 4

1.1.1.2 Gas Hazards 4

1.1.2 An Introduction to Gas Detection Equipment... 5

1.1.2.1 The Need for Gas Detectors..... 5

1.1.2.2 Factors Determining the Suitability of Gas Detection Systems 5

1.1.2.3 Types of Gas Detection Systems 6

1.1.2.3.1 Fixed Gas Detection Systems 6

1.1.2.3.2 Portable Gas Detection Systems 7

1.1.2.3.2.1 Significance of Portable Gas Detectors 7

1.1.2.3.2.2 Typical Gases that Require Portable Detection 7

1.1.2.3.2.3 Types of Portable Gas Detectors 8

1.1.3 Gas Detection Equipment by Sensor Technology ... 8

1.1.3.1 Catalytic Bead Sensors 9

1.1.3.1.1 Theory..... 9

1.1.3.1.2 Working Principle..... 10

1.1.3.1.3 Reaction..... 10

1.1.3.1.4 Factors Affecting Sensor Operation 11

1.1.3.2 Electrochemical Sensors 11

1.1.3.2.1 Theory..... 11

1.1.3.2.2 Reactions 12

1.1.3.3 Infrared Sensors..... 13

1.1.3.3.1 Theory..... 13

1.1.3.3.2 Working Principle..... 14

1.1.3.4 Semiconductor Sensors 16

1.1.3.4.1 Theory..... 16

1.1.3.4.2 Working Principle..... 17

1.1.3.4.3 Reactions 17

1.1.4 Gas Detection Equipment by Application 18

1.1.4.1 Building & Construction (Commercial & Public) ... 18

1.1.4.2 Chemical/Petrochemical Plants & Refineries 18

1.1.4.3 Mining..... 19

1.1.4.3.1 Gases Common in Mines 19

1.1.4.3.2 Sources of Gases 19

1.1.4.3.3 Categories of Mine Gases 21

1.1.4.3.3.1 Combustible/Flammable Gases 21

1.1.4.3.3.2 Toxic/Irritant Gases..... 21

1.1.4.3.3.3 Oxygen 21

1.1.4.3.4 Properties of Gases 22

1.1.4.4 Oil & Gas 23

1.1.4.4.1 Gaseous Releases, Characteristics and Possible Sources in the Oil & Gas Industry..... 24

1.1.4.4.1.1 Hydrocarbons (HCs) 24

1.1.4.4.1.2 Hydrogen Sulfide (H₂S)..... 24

1.1.4.4.1.3 Carbon Dioxide (CO₂) 25

1.1.4.4.1.4 Carbon Monoxide (CO) 25

1.1.4.4.2 Principles of Gas Detection in the Oil & Gas Sector... 25

1.1.4.5 Power Generation..... 26

1.1.4.6 Semiconductor 26

1.1.4.7 Water Treatment 27

1.1.4.8 Other Applications 29

1.1.4.8.1 Ammonia Refrigeration..... 29

1.1.4.8.2 Marine 29

1.1.4.8.3 Military & National Security..... 29

1.1.4.8.4 Photovoltaics 29

1.1.4.8.5 Printing 30

1.1.4.8.6 Pulp & Paper Production..... 30

1.1.4.8.7 Steel Mills 30

2. KEY MARKET TRENDS31

2.1 Opportunities for IoT-Enabled Gas Sensors in Environment Monitoring on the Rise..... 31

2.2 Gas Sensors Based on Carbon Nanotubes Gain Traction 32

2.3 Smart Gas Sensors Boost “Smartness” of Sensing Technology 33

2.4 Polymer Gas Sensors Exhibit Versatility 35

2.5 Electrochemical Gas Sensors Still Preferred..... 36

3. KEY GLOBAL PLAYERS.....37

3M Company (United States)..... 37

ABB Ltd. (Switzerland)..... 38

Agilent Technologies, Inc. (United States)..... 40

Airtest Technologies Inc. (Canada) 41

Bacharach, Inc. (United States) 43

California Analytical Instruments, Inc. (United States) 45

Drägerwerk AG & Co. KGaA (Germany)..... 46

Emerson Electric Co. (United States)..... 47

Gastech Australia Pty Ltd (Australia)..... 49

General Electric Company (United States) 50

Honeywell International, Inc. (United States) 51

Honeywell Analytics, Inc. (United States) 52

Industrial Scientific (United States) 54

MSA Safety Incorporated (United States) 55

Riken Keiki Co., Ltd. (Japan) 57

Robert Bosch GmbH (Germany) 58

Schauenburg Group (Germany) 59

Sensidyne, LP (United States)..... 60

Siemens AG (Germany) 62

Teledyne Technologies Incorporated (United States) 63

Thermo Fisher Scientific Inc. (United States)..... 65

Troxel Limited (United Kingdom) 67

Tyco Fire & Integrated Solutions AS (Norway) 68

Yokogawa Electric Corporation (Japan)..... 69

4. KEY BUSINESS AND PRODUCT TRENDS70

AWC, Official Manufacturer Representative for Dräger's Fixed Gas and Flame Detection Solutions 70

Yokogawa's ProSafe-RS Safety Instrumented System Receives ISASecure CSA Level 1 Certification 70

RKI Introduces O4 Series Single Toxic Gas Personal Monitors 70

Launch of Tango® TX2 Two-Gas Monitor by Industrial Scientific 70

MSA Safety to Broaden Gas Detection Business 70

Halma Acquired Anton 70

New Polytron 6100 EC WL Wireless Gas Detection Transmitter Launched by Dräger..... 70

Dräger and Shell Renews Portable Gas Detection Equipment Supply Pact 70

AirTest Technologies and Western Allied Corporation Form Carbon Monoxide Sensors Supply Pact 71

HoverGuard™, the World's Fastest, Most Sensitive Drone-Based Gas Leak Detection and Greenhouse Gas Measuring System 71

Launch of Dräger Polytron 8900 Ultrasonic Gas Leak Detector 71

Launch of Honeywell's Gas Cloud Imaging System in Europe 71

AirTest to Introduce New Sensors for Heating, Cooling and Air Quality Applications..... 71

Launch of AirTest's TR9700-WiFi CO₂, Temperature, Humidity and Pressure Sensor for Schools..... 71

200 Labs Manufacturing Facility to Deploy Sensor Electronics Gas Detectors 71

Gas Detectors Monitor Encore Single Family Homes at Playa Vista..... 71

Groot Installs Sensor Electronics Combustible Gas Detection System..... 72

Launch of ABB Optical Sensors for Mapping Methane Emissions from Space 72

RKI Launches HCN and NO₂ Sensors 72

Crowcon Launches the World's First Fixed Detector with a MPS™ Sensor 72

ADNOC Project to Deploy Teledyne Gas Sensing Technologies. 72

Installation of AirTest Sensor-Based Ventilation Control Systems in North America..... 72

Sensidyne and TriNova to Broaden Fixed Gas Detection Network in New England 72

Vector CAG, Official Manufacturer Representative for Dräger Fixed Gas and Flame Detection Solutions 72

Teledyne Launches New Easy Duo Detector and Controller Combo 73

Relaunch of AirTest's PM2200 Personal CO₂ Monitor for Indoor Applications 73

AirTest's Garage Ventilation Control Systems Installed by Major Internet Retailer in America 73

AirTest Introduces New RM7000 Self-Calibrating Infrared Air Quality Sensor 73

Launch of Safety Integrity Level 2 Version of the ProSafe™ Series Safety Instrumented System 73

AMTRAN Installs SMC Combustible Gas Detection System ... 73

Launch of ABB's New Portable MicroGuard™ Gas Leak Detection Solution..... 73

Launch of Dräger Xact 7000 Multigas Detector 73

AirTest to Install CO₂ Sensors in School Classrooms to Enhance COVID-19 Safety Protocols 73

Sensidyne and TriNova Join Forces to Broaden Fixed Gas Detection Network..... 74

IBS Completes First Installation of AirTest TR9277-EO Wireless CO₂ Temperature and Relative Humidity Transmitter..... 74

Crowcon to Launch Seven New Sensors for use with Xgard Bright Gas Detector 74

Development of Sensor Electronics' Innovative Gas Detectors and Gas Analyzers 74

New Gas Sensor Design Ideal for Industrial Safety Use Demonstrated by GE Researchers 74

Launch of Five New Sensors for use with Crowcon's Xgard Bright Gas Detector 74

Launch of MGS-402 Dual-Channel Gas Detection Controller by Bacharach 74

Launch of Monoxor XR Hand-Held Exhaust Gas Analyzer by Bacharach 75

Sensor Electronics Selects RSD Engineering as an Exclusive Distributor in Spain..... 75

MCTA Manufacturing Facility Installs Sensor Electronics Combustible Gas Detection System 75

Launch of ProSafe™-RS R4.05.00 by Yokogawa 75

Launch of Crowcon's New GM Series Controllers 75

Sensor Electronics Develops a New Methane Detection System..... 75

Sensor Electronics Launches New Ammonia Gas Detector... 75

Teledyne Technologies Incorporated Acquires 3M Gas and Flame Detection Business..... 75

Honeywell Launches VESDA®-E VES Aspirating Smoke Detectors..... 76

SAFER® Systems to be Acquired by Industrial Scientific.. 76

Intelex Acquired by Industrial Scientific..... 76

Emerson Launches Two New Rosemount 628 Universal Gas Sensors 76

AirTest Develops a Full Suite of Wireless Sensors and Communication Devices 76

Sierra Monitor Acquired by MSA Safety 76

Expansion of Industrial Scientific's Connected Safety Portfolio 76

Addition of 22 Halogen Refrigerants for Bacharach's MGS-400 Gas Detectors 76

Sensor Electronics Selects Tomoe Shokai as its Exclusive Distributor in Japan 77

Launch of World's First Purpose-Built Quantum Cascade Laser and Tunable Diode Laser Analyzer 77

Series UVA 5000 Gas Phase Analyzer Launched by CAI... 77

Bacharach Launches MGS-400 Series Refrigerant Gas Detectors.. 77

Launch of CAI GPA 2000 Gas Purity Analyzer 77

5. GLOBAL MARKET OVERVIEW78

5.1 Global Gas Detection Equipment Market Overview by Detector Type 79

5.1.1 Global Portable Gas Detectors Market Overview by Detector Sub-Type 81

5.1.2 Gas Detection Equipment Type Market Overview by Geographic Region 83

5.1.2.1 Fixed Gas Detectors 83

5.1.2.2 Portable Gas Detectors 85

- 5.1.2.3 Portable Gas Detectors Sub-Type Market Overview by Global Region 87
- 5.1.2.3.1 Multi-Gas Detectors 87
- 5.1.2.3.2 Single Gas Detectors 89
- 5.2 Global Gas Detection Equipment Market Overview by Sensor Technology 91
- 5.2.1 Gas Detection Equipment Sensor Technology Market Overview by Global Region 93
- 5.2.1.1 Catalytic Bead 93
- 5.2.1.2 Electrochemical 95
- 5.2.1.3 Infrared 97
- 5.2.1.4 Semiconductor 99
- 5.3 Global Gas Detection Equipment Market Overview by Application 101
- 5.3.1 Gas Detection Equipment Application Market Overview by Geographic Region 103
- 5.3.1.1 Building & Construction 103
- 5.3.1.2 Chemical/Petrochemical & Refineries 105
- 5.3.1.3 Mining 107
- 5.3.1.4 Oil & Gas 109
- 5.3.1.5 Power Generation 111
- 5.3.1.6 Water Treatment 113
- 5.3.1.7 Other Applications 115

PART B: REGIONAL MARKET PERSPECTIVE ..117

REGIONAL MARKET OVERVIEW..... 119

6. NORTH AMERICA 119

- 6.1 North American Gas Detection Equipment Market Overview by Geographic Region 120
- 6.2 North American Gas Detection Equipment Market Overview by Detector Type 122
- 6.2.1 North American Portable Gas Detectors Market Overview by Detector Sub-Type 124
- 6.3 North American Gas Detection Equipment Market Overview by Sensor Technology 126
- 6.4 North American Gas Detection Equipment Market Overview by Application 128
- 6.5 Major Market Players 130
- 3M Company (United States) 130
- Agilent Technologies, Inc. (United States) 131
- AirTest Technologies Inc. (Canada) 132
- Bacharach, Inc. (United States) 134
- California Analytical Instruments, Inc. (United States) 136
- Emerson Electric Co. (United States) 137
- ENMET LLC (United States) 139
- ESP Safety, Inc. (United States) 141
- General Electric Company (United States) 142
- Honeywell International, Inc. (United States) 143
- Honeywell Analytics, Inc. (United States) 144
- Industrial Scientific (United States) 146
- MSA Safety Incorporated (United States) 147
- RKI Instruments, Inc. (United States) 149
- Sensidyne, LP (United States) 150
- Sensor Electronics Corporation (United States) 151
- Teledyne Technologies Incorporated (United States) 152
- Thermo Fisher Scientific Inc. (United States) 154

6.6 Country-wise Analysis of North American Gas Detection Equipment Market 156

6.6.1 The United States..... 156

- 6.6.1.1 United States' Gas Detection Equipment Market Overview by Detector Type 157
- 6.6.1.1.1 United States' Portable Gas Detectors Market Overview by Detector Sub-Type 159
- 6.6.1.2 United States' Gas Detection Equipment Market Overview by Sensor Technology 161
- 6.6.1.3 United States' Gas Detection Equipment Market Overview by Application 163

6.6.2 Canada..... 165

- 6.6.2.1 Canadian Gas Detection Equipment Market Overview by Detector Type 166

- 6.6.2.1.1 Canadian Portable Gas Detectors Market Overview by Detector Sub-Type 168
- 6.6.2.2 Canadian Gas Detection Equipment Market Overview by Sensor Technology 170
- 6.6.2.3 Canadian Gas Detection Equipment Market Overview by Application 172

6.6.3 Mexico 174

- 6.6.3.1 Mexican Gas Detection Equipment Market Overview by Detector Type 175
- 6.6.3.1.1 Mexican Portable Gas Detectors Market Overview by Detector Sub-Type 177
- 6.6.3.2 Mexican Gas Detection Equipment Market Overview by Sensor Technology 179
- 6.6.3.3 Mexican Gas Detection Equipment Market Overview by Application 181

7. EUROPE 183

- 7.1 European Gas Detection Equipment Market Overview by Geographic Region 184
- 7.2 European Gas Detection Equipment Market Overview by Detector Type 186
- 7.2.1 European Portable Gas Detectors Market Overview by Detector Sub-Type 188
- 7.3 European Gas Detection Equipment Market Overview by Sensor Technology 190
- 7.4 European Gas Detection Equipment Market Overview by Application 192
- 7.5 Major Market Players 194
- ABB Ltd. (Switzerland) 194
- Crowcon Detection Instruments Ltd (United Kingdom) ... 196
- Drägerwerk AG & Co. KGaA (Germany) 197
- Robert Bosch GmbH (Germany) 198
- Schauenburg Group (Germany) 199
- Siemens AG (Germany) 200
- Trox Limited (United Kingdom) 201
- Tyco Fire & Integrated Solutions As (Norway) 202

7.6 Country-wise Analysis of European Gas Detection Equipment Market 203

7.6.1 France 203

- 7.6.1.1 French Gas Detection Equipment Market Overview by Detector Type 204
- 7.6.1.1.1 French Portable Gas Detectors Market Overview by Detector Sub-Type 206
- 7.6.1.2 French Gas Detection Equipment Market Overview by Sensor Technology 208
- 7.6.1.3 French Gas Detection Equipment Market Overview by Application 210

7.6.2 Germany 212

- 7.6.2.1 German Gas Detection Equipment Market Overview by Detector Type 213
- 7.6.2.1.1 German Portable Gas Detectors Market Overview by Detector Sub-Type 215
- 7.6.2.2 German Gas Detection Equipment Market Overview by Sensor Technology 217
- 7.6.2.3 German Gas Detection Equipment Market Overview by Application 219

7.6.3 Italy 221

- 7.6.3.1 Italian Gas Detection Equipment Market Overview by Detector Type 222
- 7.6.3.1.1 Italian Portable Gas Detectors Market Overview by Detector Sub-Type 224
- 7.6.3.2 Italian Gas Detection Equipment Market Overview by Sensor Technology 226
- 7.6.3.3 Italian Gas Detection Equipment Market Overview by Application 228

7.6.4 Russia 230

- 7.6.4.1 Russian Gas Detection Equipment Market Overview by Detector Type 231

- 7.6.4.1.1 Russian Portable Gas Detectors Market Overview by Detector Sub-Type 233
- 7.6.4.2 Russian Gas Detection Equipment Market Overview by Sensor Technology 235
- 7.6.4.3 Russian Gas Detection Equipment Market Overview by Application 237

7.6.5 Spain 239

- 7.6.5.1 Spanish Gas Detection Equipment Market Overview by Detector Type 240
- 7.6.5.1.1 Spanish Portable Gas Detectors Market Overview by Detector Sub-Type 242
- 7.6.5.2 Spanish Gas Detection Equipment Market Overview by Sensor Technology 244
- 7.6.5.3 Spanish Gas Detection Equipment Market Overview by Application 246

7.6.6 The United Kingdom 248

- 7.6.6.1 United Kingdom Gas Detection Equipment Market Overview by Detector Type 249
- 7.6.6.1.1 United Kingdom Portable Gas Detectors Market Overview by Detector Sub-Type 251
- 7.6.6.2 United Kingdom Gas Detection Equipment Market Overview by Sensor Technology 253
- 7.6.6.3 United Kingdom Gas Detection Equipment Market Overview by Application 255

7.6.7 Rest of Europe 257

- 7.6.7.1 Rest of Europe Gas Detection Equipment Market Overview by Detector Type 258
- 7.6.7.1.1 Rest of Europe Portable Gas Detectors Market Overview by Detector Sub-Type 260
- 7.6.7.2 Rest of Europe Gas Detection Equipment Market Overview by Sensor Technology 262
- 7.6.7.3 Rest of Europe Gas Detection Equipment Market Overview by Application 264

8. ASIA-PACIFIC 266

- 8.1 Asia-Pacific Gas Detection Equipment Market Overview by Geographic Region 267
- 8.2 Asia-Pacific Gas Detection Equipment Market Overview by Detector Type 269
- 8.2.1 Asia-Pacific Portable Gas Detectors Market Overview by Detector Sub-Type 271
- 8.3 Asia-Pacific Gas Detection Equipment Market Overview by Sensor Technology 273
- 8.4 Asia-Pacific Gas Detection Equipment Market Overview by Application 275
- 8.5 Major Market Players 277
- Gastech Australia Pty Ltd (Australia) 277
- Riken Keiki Co., Ltd. (Japan) 278
- Yokogawa Electric Corporation (Japan) 279

8.6 Country-wise Analysis of Asia-Pacific Gas Detection Equipment Market 280

8.6.1 China 280

- 8.6.1.1 Chinese Gas Detection Equipment Market Overview by Detector Type 281
- 8.6.1.1.1 Chinese Portable Gas Detectors Market Overview by Detector Sub-Type 283
- 8.6.1.2 Chinese Gas Detection Equipment Market Overview by Sensor Technology 285
- 8.6.1.3 Chinese Gas Detection Equipment Market Overview by Application 287

8.6.2 India 289

- 8.6.2.1 Indian Gas Detection Equipment Market Overview by Detector Type 290
- 8.6.2.1.1 Indian Portable Gas Detectors Market Overview by Detector Sub-Type 292
- 8.6.2.2 Indian Gas Detection Equipment Market Overview by Sensor Technology 294
- 8.6.2.3 Indian Gas Detection Equipment Market Overview by Application 296

8.6.3 Japan 298	9.2 South American Gas Detection Equipment Market Overview by Detector Type 328	9.5.3 Rest of South America 354
8.6.3.1 Japanese Gas Detection Equipment Market Overview by Detector Type 299	9.2.1 South American Portable Gas Detectors Market Overview by Detector Sub-Type 330	9.5.3.1 Rest of South American Gas Detection Equipment Market Overview by Detector Type 355
8.6.3.1.1 Japanese Portable Gas Detectors Market Overview by Detector Sub-Type 301	9.3 South American Gas Detection Equipment Market Overview by Sensor Technology 332	9.5.3.1.1 Rest of South American Portable Gas Detectors Market Overview by Detector Sub-Type 357
8.6.3.2 Japanese Gas Detection Equipment Market Overview by Sensor Technology 303	9.4 South American Gas Detection Equipment Market Overview by Application 334	9.5.3.2 Rest of South American Gas Detection Equipment Market Overview by Sensor Technology 359
8.6.3.3 Japanese Gas Detection Equipment Market Overview by Application 305	9.5 Country-wise Analysis of South American Gas Detection Equipment Market 336	9.5.3.3 Rest of South American Gas Detection Equipment Market Overview by Application 361
8.6.4 South Korea 307	9.5.1 Argentina 336	10. REST OF WORLD 363
8.6.4.1 South Korean Gas Detection Equipment Market Overview by Detector Type 308	9.5.1.1 Argentine Gas Detection Equipment Market Overview by Detector Type 337	10.1 Rest of World Gas Detection Equipment Market Overview by Detector Type 364
8.6.4.1.1 South Korean Portable Gas Detectors Market Overview by Detector Sub-Type 310	9.5.1.1.1 Argentine Portable Gas Detectors Market Overview by Detector Sub-Type 339	10.1.1 Rest of World Portable Gas Detectors Market Overview by Detector Sub-Type 366
8.6.4.2 South Korean Gas Detection Equipment Market Overview by Sensor Technology 312	9.5.1.2 Argentine Gas Detection Equipment Market Overview by Sensor Technology 341	10.2 Rest of World Gas Detection Equipment Market Overview by Sensor Technology 368
8.6.4.3 South Korean Gas Detection Equipment Market Overview by Application 314	9.5.1.3 Argentine Gas Detection Equipment Market Overview by Application 343	10.3 Rest of World Gas Detection Equipment Market Overview by Application 370
8.6.5 Rest of Asia-Pacific 316	9.5.2 Brazil 345	PART C: GUIDE TO THE INDUSTRY 372
8.6.5.1 Rest of Asia-Pacific Gas Detection Equipment Market Overview by Detector Type 317	9.5.2.1 Brazilian Gas Detection Equipment Market Overview by Detector Type 346	1. NORTH AMERICA 372
8.6.5.1.1 Rest of Asia-Pacific Portable Gas Detectors Market Overview by Detector Sub-Type 319	9.5.2.1.1 Brazilian Portable Gas Detectors Market Overview by Detector Sub-Type 348	2. EUROPE 377
8.6.5.2 Rest of Asia-Pacific Gas Detection Equipment Market Overview by Sensor Technology 321	9.5.2.2 Brazilian Gas Detection Equipment Market Overview by Sensor Technology 350	3. ASIA-PACIFIC 381
8.6.5.3 Rest of Asia-Pacific Gas Detection Equipment Market Overview by Application 323	9.5.2.3 Brazilian Gas Detection Equipment Market Overview by Application 352	4. REST OF WORLD 382
9. SOUTH AMERICA 325		PART D: ANNEXURE 383
9.1 South American Gas Detection Equipment Market Overview by Geographic Region 326		1. RESEARCH METHODOLOGY 383
		2. FEEDBACK 385

About Industry Experts

Industry Experts’ market research, backed by years of experience and an analytical team dedicated to providing the most optimal business solutions, has been specifically designed to provide a variety of benefits, both current and future. Our leading-edge publications make the life easy for corporate strategists, investors, analysts and researchers, startups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

More about Industry Experts



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