

# **Process Analyzers (Liquid & Gas), Gas Chromatography, and Spectroscopy Market by Industry (Oil & Gas, Petrochemical, Pharmaceutical, Water & Wastewater, Food & Beverage, Pulp & Paper, Metal & Mining, and Others), And Geography - Global Forecast to 2020**

<https://marketpublishers.com/r/P16CEFF0E63EN.html>

Date: February 2016

Pages: 210

Price: US\$ 5,650.00 (Single User License)

ID: P16CEFF0E63EN

## **Abstracts**

The global process analyzers (liquid & gas) market is expected to reach USD 4.98 billion by 2020, at an estimated CAGR of 5.50% between 2015 and 2020. The major factors contributing to the growth of this market include the increasing usage of a wide range of analyzers in various process industries to monitor various hazardous liquids and gases. The gas chromatography market is estimated to grow to USD 3.90 billion, whereas the spectroscopy market is projected to reach USD 22.04 billion by 2020, at a CAGR of 8.60% and 8.72%, respectively, during the forecast period. The growth in the gas chromatography market can be attributed to the increasing adoption of this technology in the petrochemical industries for oil extraction and refinery-related activities. On the other hand, the growth of the spectroscopy market is majorly driven by the adoption of various spectroscopy techniques such as molecular, atomic, and mass spectrometry in the process industries.

“The process analyzers, gas chromatography, and spectroscopy markets for the pharmaceutical industry expected to grow rapidly during the forecast period”

The process analyzers, gas chromatography, and spectroscopy markets for the pharmaceutical industry held the largest share of the global process (liquid & gas) analyzers, gas chromatography, and spectroscopy markets in 2014 and this trend is expected to continue during the forecast period. This growth is majorly driven by the

stringent drug regulations framed by the international regulatory bodies such as U.S. Food and Drug Administration, World Health Organization, and European Medicines Agency for the manufacturing, processing, and distribution of pharmaceutical products.

“APAC to be the fastest growing market during the forecast period”

The global process analyzers, gas chromatography, and spectroscopy markets in the Americas held the largest share in 2014; however, the markets in APAC are expected to exhibit the highest growth rate during the forecast period. The major factors contributing to the growth of these markets include high investments by major players in various process industries. The markets in the Americas and Europe are already mature; hence, the well-established players are focusing on APAC to market their products and services. With the increasing investments in the process industries, the demand for liquid and gas analyzers, gas chromatographs, and spectrographs is also increasing.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key people in the market. The break-up of profiles of primary participants is given below:

By Company Type: Tier 1—55 %, Tier 2—20% and Tier 3—25%

By Designation: C-level – 60%, Director level – 25%, Others – 15%

By Region: North America – 10%, Europe – 20%, APAC – 40%, RoW – 30%

The prominent players profiled in this report are:

1. ABB Ltd. (Switzerland)
2. AMETEK Process Instruments (U.S.)
3. Applied Analytics, Inc. (U.S.)
4. Endress+Hauser AG (Switzerland)
5. The Emerson Electric Company (U.S.)
6. GE Analytical Instruments (U.S.)
7. Mettler-Toledo International Inc. (U.S.)
8. PAC L.P. (U.S.)
9. Siemens AG (Germany)

- 10. Thermo Fisher Scientific, Inc. (U.S.)
- 11. Yokogawa Electric Corp. (Japan)

The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the process analyzers (liquid & gas), gas chromatography, and spectroscopy markets comprehensively and provides the closest approximations of the revenues for the overall market and the subsegments across different verticals and regions.
2. The report helps stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to better understand their competitors and gain more insights to enhance their position in the business. The competitive landscape section includes competitor ecosystem, new product developments, partnerships, and mergers & acquisitions.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 STUDY SCOPE

##### 1.3.1 MARKETS COVERED: PROCESS ANALYZERS

##### 1.3.2 MARKETS COVERED: GAS CHROMATOGRAPHY

##### 1.3.3 MARKETS COVERED: SPECTROSCOPY

##### 1.3.4 YEARS CONSIDERED FOR THE STUDY

#### 1.4 CURRENCY & PRICING

#### 1.5 LIMITATIONS

#### 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Key data from primary sources

###### 2.1.2.2 Key industry insights

###### 2.1.2.3 Breakdown of Primaries Interviews: By Company Type, Designation, and Region

#### 2.2 FACTOR ANALYSIS

##### 2.2.1 INTRODUCTION

##### 2.2.2 DEMAND-SIDE ANALYSIS

###### 2.2.2.1 Growth in oil production from the petrochemical industries

##### 2.2.3 SUPPLY-SIDE ANALYSIS

###### 2.2.3.1 Increase in the number of product launches in the process analyzers market

#### 2.3 MARKET SIZE ESTIMATION

##### 2.3.1 BOTTOM-UP APPROACH

##### 2.3.2 TOP-DOWN APPROACH

#### 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

#### 2.5 RESEARCH ASSUMPTIONS AND LIMITATIONS

##### 2.5.1 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

## **4 PREMIUM INSIGHTS**

- 4.1 ATTRACTIVE OPPORTUNITIES FOR THE PROCESS ANALYZERS (LIQUID & GAS) MARKET
- 4.2 ATTRACTIVE OPPORTUNITIES FOR THE GAS CHROMATOGRAPHY MARKET
- 4.3 GLOBAL SPECTROSCOPY MARKET, 2015
- 4.4 LIFE CYCLE ANALYSIS, BY GEOGRAPHY

## **5 MARKET OVERVIEW**

### **5.1 MARKET SEGMENTATION**

- 5.1.1 PROCESS ANALYZERS MARKET, BY COMPONENT
- 5.1.2 PROCESS ANALYZERS MARKET, BY TYPE
- 5.1.3 PROCESS ANALYZERS MARKET, BY INDUSTRY
- 5.1.4 PROCESS ANALYZERS MARKET, BY GEOGRAPHY

### **5.2 MARKET EVOLUTION**

### **5.3 MARKET DYNAMICS**

#### **5.3.1 DRIVERS**

- 5.3.1.1 Increase in the U.S. shale gas production
- 5.3.1.2 Growing demand for water & wastewater treatment
- 5.3.1.3 Increasing usage of spectrometry in the drug safety process

#### **5.3.2 RESTRAINTS**

- 5.3.2.1 Lack of skilled professionals
- 5.3.2.2 High infrastructure costs

#### **5.3.3 OPPORTUNITIES**

5.3.3.1 Growing demand for process analyzers in emerging markets such as China and India

- 5.3.3.2 Increasing adoption of spectroscopy instruments in the applied markets

#### **5.3.4 CHALLENGES**

- 5.3.4.1 Issues related to instrumentation safety

#### **5.3.5 BURNING ISSUE**

- 5.3.5.1 Need for continuous support and maintenance for installed analyzers

#### **5.3.6 WINNING IMPERATIVE**

- 5.3.6.1 Presence of well-established international players

## **6 INDUSTRY TRENDS**

### **6.1 INTRODUCTION**

## 6.2 VALUE CHAIN ANALYSIS

## 6.3 PORTER'S FIVE FORCES ANALYSIS

### 6.3.1 INTENSITY OF COMPETITIVE RIVALRY

### 6.3.2 THREAT OF SUBSTITUTES

### 6.3.3 BARGAINING POWER OF BUYERS

### 6.3.4 BARGAINING POWER OF SUPPLIERS

### 6.3.5 THREAT OF NEW ENTRANTS

## 6.4 STRATEGIC BENCHMARKING

### 6.4.1 TECHNOLOGY INTEGRATION AND PRODUCT ENHANCEMENT

## **7 MARKET, BY COMPONENT**

### 7.1 INTRODUCTION

#### 7.1.1 HUMAN MACHINE INTERFACE

#### 7.1.2 CIRCUIT BREAKER

#### 7.1.3 POWER SUPPLY UNIT

#### 7.1.4 PROCESS PROBES

### 7.2 SOFTWARE USER INTERFACE

## **8 MARKET, BY LIQUID ANALYZER**

### 8.1 INTRODUCTION

### 8.2 PH/ORP ANALYZERS

### 8.3 CONDUCTIVITY ANALYZERS

### 8.4 NEAR INFRARED ANALYZERS

### 8.5 TURBIDITY ANALYZERS

### 8.6 DISSOLVED OXYGEN ANALYZERS

### 8.7 CHLORINE ANALYZERS

### 8.8 LIQUID DENSITY ANALYZERS

### 8.9 MLSS ANALYZERS

### 8.10 TOC & COD ANALYZERS

### 8.11 OTHERS

## **9 MARKET, BY GAS ANALYZER**

### 9.1 INTRODUCTION

### 9.2 OXYGEN ANALYZERS

### 9.3 CARBON DIOXIDE ANALYZERS

### 9.4 HYDROGEN SULFIDE ANALYZERS

- 9.5 MOISTURE ANALYZERS
- 9.6 FLAME IONIZATION DETECTION ANALYZERS
- 9.7 TOXIC GAS DETECTION ANALYZERS
- 9.8 OTHERS

## **10 MARKET, BY GAS CHROMATOGRAPHY**

- 10.1 INTRODUCTION
- 10.2 PROCESS GAS CHROMATOGRAPHY
- 10.3 NATURAL GAS CHROMATOGRAPHY

## **11 MARKET, BY SPECTROSCOPY**

- 11.1 INTRODUCTION
- 11.2 MOLECULAR SPECTROSCOPY
  - 11.2.1 INFRARED (IR) SPECTROSCOPY
  - 11.2.2 LASER SPECTROSCOPY
  - 11.2.3 RAMAN SPECTROSCOPY
  - 11.2.4 ULTRAVIOLET–VISIBLE LIGHT (UV-VIS) SPECTROSCOPY
  - 11.2.5 NUCLEAR MAGNETIC RESONANCE (NMR) SPECTROSCOPY
  - 11.2.6 ELECTRON SPIN RESONANCE (ESR) SPECTROSCOPY
- 11.3 ATOMIC SPECTROSCOPY
- 11.4 MASS SPECTROSCOPY

## **12 MARKET, BY INDUSTRY**

- 12.1 INTRODUCTION
- 12.2 OIL & GAS
- 12.3 PETROCHEMICAL
- 12.4 PHARMACEUTICAL
- 12.5 WATER & WASTEWATER
- 12.6 THERMAL POWER
- 12.7 FOOD & BEVERAGES
- 12.8 PULP & PAPER
- 12.9 METAL & MINING
- 12.10 CEMENT & GLASS
- 12.11 OTHERS

## **13 MARKET, BY GEOGRAPHY**

### 13.1 INTRODUCTION

### 13.2 AMERICAS

#### 13.2.1 NORTH AMERICA

##### 13.2.1.1 U.S.

##### 13.2.1.2 Canada

##### 13.2.1.3 Mexico

#### 13.2.2 SOUTH AMERICA

### 13.3 EUROPE

#### 13.3.1 GERMANY

#### 13.3.2 U.K.

#### 13.3.3 FRANCE

#### 13.3.4 SPAIN

#### 13.3.5 REST OF EUROPE

### 13.4 APAC

#### 13.4.1 CHINA

#### 13.4.2 JAPAN

#### 13.4.3 SOUTH KOREA

#### 13.4.4 INDIA

#### 13.4.5 REST OF APAC

### 13.5 REST OF THE WORLD (ROW)

#### 13.5.1 MIDDLE EAST & AFRICA

#### 13.5.2 ISRAEL

## 14 COMPETITIVE LANDSCAPE

### 14.1 OVERVIEW

### 14.2 MARKET RANKING OF PLAYERS IN THE PROCESS ANALYZERS (LIQUID & GAS), GAS CHROMATOGRAPHY, AND SPECTROSCOPY MARKET, 2014

### 14.3 COMPETITIVE SCENARIO

### 14.4 RECENT DEVELOPMENTS

## 15 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)\*

### 15.1 INTRODUCTION

### 15.2 ABB LTD.

### 15.3 AMETEK PROCESS INSTRUMENTS



- 15.4 APPLIED ANALYTICS, INC.
- 15.5 ENDRESS+HAUSER AG
- 15.6 THE EMERSON ELECTRIC COMPANY
- 15.7 GE ANALYTICAL INSTRUMENTS
- 15.8 METTLER-TOLEDO INTERNATIONAL, INC.
- 15.9 PAC L.P.
- 15.10 SIEMENS AG
- 15.11 THERMO FISHER SCIENTIFIC, INC.
- 15.12 YOKOGAWA ELECTRIC CORPORATION.

\*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

## **16 APPENDIX**

- 16.1 INSIGHTS OF INDUSTRY EXPERTS
- 16.2 DISCUSSION GUIDE
- 16.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 16.4 AVAILABLE CUSTOMIZATIONS
- 16.5 RELATED REPORTS

## List Of Tables

### LIST OF TABLES

Table 1 GROWING SHALE GAS PRODUCTION IN THE U.S. EXPECTED TO DRIVE THE PROCESS ANALYZERS MARKET

Table 2 LACK OF SKILLED PROFESSIONALS ACT AS A HINDRANCE TO THE PROCESS ANALYZERS MARKET

Table 3 GROWING DEMAND FROM EMERGING MARKETS SUCH AS CHINA AND INDIA EXPECTED TO PROPEL THE GROWTH OF THE PROCESS ANALYZERS MARKET

Table 4 THE PORTER'S FIVE FORCES ANALYSIS: LOW DEGREE OF THREAT FROM NEW ENTRANTS LIKELY TO HAVE MINIMUM IMPACT ON THE OVERALL MARKET IN 2015

Table 5 GLOBAL PROCESS ANALYZER MARKET, BY COMPONENT, 2013–2020 (USD MILLION)

Table 6 GLOBAL LIQUID ANALYZERS MARKET, BY TYPE, 2013–2020 (USD MILLION)

Table 7 GLOBAL LIQUID ANALYZERS MARKET, BY TYPE, 2013–2020 (THOUSAND UNITS)

Table 8 LIQUID ANALYZERS MARKET: OIL & GAS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 9 LIQUID ANALYZERS MARKET: PETROCHEMICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 10 LIQUID ANALYZERS MARKET: PHARMACEUTICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 11 LIQUID ANALYZERS MARKET: WATER & WASTEWATER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 12 LIQUID ANALYZERS MARKET: THERMAL POWER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 13 LIQUID ANALYZERS MARKET: FOOD & BEVERAGES INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 14 LIQUID ANALYZERS MARKET: PULP & PAPER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 15 LIQUID ANALYZERS MARKET: METAL & MINING INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 16 LIQUID ANALYZERS MARKET: CEMENT & GLASS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 17 LIQUID ANALYZERS MARKET: OTHERS INDUSTRY, BY REGION,

2013–2020 (USD MILLION)

Table 18 GLOBAL GAS ANALYZERS MARKET, BY TYPE, 2013–2020 (USD MILLION)

Table 19 GLOBAL GAS ANALYZERS MARKET, BY TYPE, 2013–2020 (THOUSAND UNITS)

Table 20 GAS ANALYZERS MARKET: OIL & GAS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 21 GAS ANALYZERS MARKET: PETROCHEMICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 22 GAS ANALYZERS MARKET: PHARMACEUTICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 23 GAS ANALYZERS MARKET: WATER & WASTEWATER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 24 GAS ANALYZERS MARKET: THERMAL POWER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 25 GAS ANALYZERS MARKET: FOOD & BEVERAGES INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 26 GAS ANALYZERS MARKET: PULP & PAPER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 27 GAS ANALYZERS MARKET: METAL & MINING INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 28 GAS ANALYZERS MARKET: CEMENT & GLASS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 29 GAS ANALYZERS MARKET: OTHERS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 30 GLOBAL GAS CHROMATOGRAPHY MARKET, BY TYPE, 2013–2020 (USD MILLION)

Table 31 GAS CHROMATOGRAPHY MARKET: OIL & GAS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 32 GAS CHROMATOGRAPHY MARKET: PETROCHEMICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 33 GAS CHROMATOGRAPHY MARKET: PHARMACEUTICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 34 GAS CHROMATOGRAPHY MARKET: WATER & WASTEWATER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 35 GAS CHROMATOGRAPHY MARKET: FOOD & BEVERAGES INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 36 GAS CHROMATOGRAPHY MARKET: PULP & PAPER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 37 GAS CHROMATOGRAPHY MARKET: METAL & MINING INDUSTRY, BY

REGION, 2013–2020 (USD MILLION)

Table 38 GAS CHROMATOGRAPHY MARKET: CEMENT & GLASS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 39 GAS CHROMATOGRAPHY MARKET: OTHER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 40 GLOBAL SPECTROSCOPY MARKET, BY TYPE, 2013–2020 (USD MILLION)

Table 41 SPECTROSCOPY MARKET: OIL & GAS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 42 SPECTROSCOPY MARKET: PETROCHEMICAL INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 43 SPECTROSCOPY MARKET: PHARMACEUTICAL APPLICATION, BY REGION, 2013–2020 (USD MILLION)

Table 44 SPECTROSCOPY MARKET: WATER & WASTEWATER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 45 SPECTROSCOPY MARKET: THERMAL POWER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 46 SPECTROSCOPY MARKET: FOOD & BEVERAGES INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 47 SPECTROSCOPY MARKET: PULP & PAPER INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 48 SPECTROSCOPY MARKET: METAL & MINING INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 49 SPECTROSCOPY MARKET: CEMENT & GLASS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 50 SPECTROSCOPY MARKET: OTHERS INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 51 PROCESS LIQUID ANALYZERS MARKET, BY INDUSTRY, 2013–2020 (USD MILLION)

Table 52 PROCESS GAS ANALYZERS MARKET, BY INDUSTRY, 2013–2020 (USD MILLION)

Table 53 GAS CHROMATOGRAPHY MARKET, BY INDUSTRY, 2013–2020 (USD MILLION)

Table 54 SPECTROSCOPY MARKET, BY INDUSTRY, 2013–2020 (USD MILLION)

Table 55 PROCESS LIQUID ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 56 PROCESS GAS ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 57 GAS CHROMATOGRAPHY MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 58 SPECTROSCOPY MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 59 AMERICAS: PROCESS LIQUID ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 60 AMERICAS: PROCESS GAS ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 61 AMERICAS: GAS CHROMATOGRAPHY MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 62 AMERICAS: SPECTROSCOPY MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 63 NORTH AMERICA: PROCESS LIQUID ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 64 NORTH AMERICA: PROCESS GAS ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 65 NORTH AMERICA: GAS CHROMATOGRAPHY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 66 NORTH AMERICA: SPECTROSCOPY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 67 EUROPE: PROCESS LIQUID ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 68 EUROPE: PROCESS GAS ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 69 EUROPE: GAS CHROMATOGRAPHY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 70 EUROPE: SPECTROSCOPY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 71 APAC: PROCESS LIQUID ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 72 APAC: PROCESS GAS ANALYZERS MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 73 APAC: GAS CHROMATOGRAPHY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 74 APAC: SPECTROSCOPY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 75 ROW: PROCESS LIQUID ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 76 ROW: PROCESS GAS ANALYZERS MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 77 ROW: GAS CHROMATOGRAPHY MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 78 ROW: SPECTROSCOPY MARKET, BY COUNTRY, 2013–2020 (USD MILLION)

Table 79 MARKET RANKING OF THE TOP 5 PLAYERS IN THE PROCESS ANALYZERS (LIQUID & GAS), GAS CHROMATOGRAPHY, AND SPECTROSCOPY MARKET IN 2014

Table 80 NEW PRODUCT LAUNCHES, 2014-2015

Table 81 CONTRACTS, AGREEMENTS AND PARTNERSHIPS, 2014-2015

Table 82 MERGERS AND ACQUISITIONS, 2014-2015

## About

The process liquid analyzer, gas analyzer, and gas chromatograph market is an instrument used for determining the chemical composition of substances involved in a chemical process directly, or measuring the physical parameters indicative of the composition. The process liquid analyzer, gas analyzer, and gas chromatograph industry has been in existence for several years and it comprises the analytical chemistry, process chemistry, and multivariate data analysis, among others. The need for an analyzer is generated by the need to monitor, measure, and analyze the sample or the process. Process liquid analyzers, gas analyzers, and gas chromatographs have found applications in various sectors such as chemical, mining, food and beverage, medical & healthcare, and power and utility.

The report deals with all the driving factors, restraints, and opportunities with respect to the process liquid analyzer, gas analyzer, and gas chromatograph market, which are helpful in identifying its trends and key success factors. The report profiles the major players in the global process liquid analyzer, gas analyzer, and gas chromatograph market. Some of these players are Siemens AG (Germany), ABB Ltd. (Switzerland), Emerson Process Management (U.S.), Thermo Fisher Scientific (U.S.), and Yokogawa Electric Corporation (Japan). This report provides a competitive landscape of the key players, which covers the key growth strategies. The report also formulates the entire value chain, along with the industry trends in the process liquid analyzer, gas analyzer, and gas chromatograph market, with an emphasis on market timelines, technology roadmaps, and product type life cycle analysis.

The need for a mechanism to enable the early detection of the presence of hazardous chemicals in air or water as well as addressing the concerns of emission control and energy conservation have resulted in an increased demand of process liquid analyzers, gas analyzers, and gas chromatographs. Some of the other drivers for the process liquid analyzer, gas analyzer, and gas chromatograph market are the increasing demand for oil and gas, the stringent government policies for operational health and safety, and the rise in demand for Continuous Emission Monitoring Systems (CEMS). Some of the restraints for this industry could be the requirement of a large capital to fund the initial research, the need for innovative product types, and a stabilized market in the developed countries .

The market for process liquid analyzers, gas analyzers, and gas chromatographs has been segmented into four segments, namely- product type, service, application, and



geography. The product types segment is further segregated into gas analyzer, liquid analyzer, gas chromatography, and spectroscopy. The gas analyzer sub segment is further divided into Oxygen, Moisture, Carbon dioxide, and Hydrogen Sulfide. The liquid analyzer sub segment is divided into pH/ORP, conductivity, dissolved oxygen, chlorine, colorimetric, Titro, TOC & COD analyzer, turbidity, near infrared, and MLSS analyzer. The spectroscopy market is segmented into laser based, Raman, UV-Vis, Nuclear Magnetic Resonance, Electron Spin Resonance, Atomic, and mass hyphenated. The Gas chromatography segment has been divided into process gas chromatographs and BTU analyzers.

This report focuses on giving an insight view of the complete process analyzer and gas chromatograph market, with detailed market segmentations, combined with the qualitative analysis of each and every aspect of the market, which has been classified based on component, platform, application, and geography. All the numbers, both, in terms of the value and volume, at every level of detail, have been projected till 2020, to give a glimpse of the market potential in terms of value.



## I would like to order

Product name: Process Analyzers (Liquid & Gas), Gas Chromatography, and Spectroscopy Market by Industry (Oil & Gas, Petrochemical, Pharmaceutical, Water & Wastewater, Food & Beverage, Pulp & Paper, Metal & Mining, and Others), And Geography - Global Forecast to 2020

Product link: <https://marketpublishers.com/r/P16CEFF0E63EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P16CEFF0E63EN.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