

# **Global Signal Conditioning Modules Market with COVID-19 impact by Form Factor (Din Rail-Mounted Modules, Standalone Modules), Input Type (Temperature, Process, Frequency, LVDT/RVDT), Application (Data acquisition, Process control, Others), End-User Industry (Oil & Gas, Energy & Power, Chemical Processing, Food & Beverage, Metal & Mining), Regional Forecasts 2021-2027**

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## **Abstracts**

Global Signal Conditioning Modules Market is valued approximately at USD 1 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 3.4% over the forecast period 2021-2027. Signal conditioning modules provide signal conditioning on a per-module basis for a specific sensor type or signal. The specific requirements are covered by multiple system signal conditioning modules. In the analog-to-digital converter system, signal conditioning includes voltage or current limiting and anti-aliasing filtering. A sensor phase, which enables the development of a sensor, a signal conditioning stage, which involves signal amplification, and a processing stage, which is typically carried out by an ADC and a microcontroller, are all common in control engineering applications. Signal conditioning modules market is driven by rising demand for signal conditioners from water & wastewater industry and wide distribution network of manufacturers. Globalization, the growing need to meet quality standards, and increased competition in global markets have all contributed to the increased use of automation technologies in the manufacturing and process industries around the world. In the coming few years, the global demand for industrial automation in these industries is expected to expand rapidly. For instance, as per Statista, in 2019, the global industrial automation market was valued at USD 169 billion. Until 2026, the market is projected to

expand at a compound annual growth rate (CAGR) of about 8%. The global industrial automation market is expected to be worth nearly USD 300 billion by 2026. However, Stringent compliances/certifications across various regions may impede market growth over the forecast period of 2021-2027.

Geographically, the signal conditioning modules market in APAC is expected to expand due to rising demand for applications such as galvanic isolation of standard signals, voltage and current calculation, and interface to the control system or SCADA. The demand for signal conditioning modules in APAC is projected to grow at the fastest pace. Signal conditioners are being used more frequently in data acquisition and process control applications as a result of increased economic growth and increasing demand for energy and oil and gas, which is propelling the industry forward.

Major market player included in this report are:

Phoenix Contact GmbH & Co. KG  
Yokogawa Electric Corporation  
Rockwell Automation, Inc.  
Siemens  
Schneider Electric  
Pepperl+Fuchs  
TE Connectivity Ltd.  
Advantech Co., Ltd.  
AMETEK, Inc.  
Weidmüller Interface GmbH & Co. Kg

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Form Type:

DIN rail-/rack-mounted modules

Standalone/modular modules

By Input Method:

Temperature input

Process input

Frequency input

LVDT/RVDT

By Application:

Data acquisition

Process control

Others

By End Use Industry:

Oil & Gas

Energy & Power

Chemical Processing

Food & Beverage

Metal & Mining

Other

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019  
Base year – 2020  
Forecast period – 2021 to 2027.

Target Audience of the Global Signal Conditioning Modules Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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