Global PH Sensors Market 2016 Share, Trend, Segmentation and Forecast to 2020

PH Sensors Market 2016 Global Trends, Market Share, Industry Size, Growth, Opportunities, and Market Forecast to 2020

PUNE, INDIA, July 11, 2016 /EINPresswire.com/ -- An acidic or alkaline property of a solution is depicted by pH sensors which represents the concentration of hydronium ion. The essential components of ph sensor are measuring electrode, reference junction, temperature sensing element, reference electrolyte. Ph sensor market is classified into three types i.e. Benchtop pH sensor, Portable pH sensor and On-line pH sensor. Segmentation is also done basing on the technology used to measure i.e they are classified as Optical sensors, Amperometric Detectors, Ion-selective field effect transistors (ISFET).

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Increase in government regulations on water intensive industries is a driving force for the pH sensor market. There is a huge market for pH sensors due to their high applicability in water treatment plants, pharmaceutical industries, power industries, oil and gas sector, mining sector and food & beverages industries. Other than this, the harmful effects of acidic or basic water on costly pipelines and equipment such as condensers, boilers, etc. in power, chemical and oil & gas industries is further boosting the use of pH sensors. Other areas generating high demand for pH sensors are food & beverages and pharmaceuticals industries, as these employ pH sensor for monitoring their production processes and avoiding any deviation from the standard operating procedure. Increasing research and testing labs across the globe are also a factor for the rise in pH sensor sales. In textile industry, pH sensors are used to analyze the dye to be used for a particular cloth type. And in medical industry they are used to check the efficiency of the drug. With the growth in oil & gas sector, ph sensor market is expected to witness growth during the forecast period, owing to the increasing exploration and processing activities of shale gas, which is anticipated to provide essential support to pH sensor market over the next five years.

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In pH sensor market, the bench top pH sensor accounts for the major share due to their huge demand in industrial research, testing labs and research institutes. Benchtop pH sensor segment is anticipated to maintain its dominance in the pH sensor market; however, its market share is

expected to decline owing to the growing adoption of multi-parasensor analysis instruments. Moreover, owing to increasing concerns regarding the significance of continuous pH value monitoring in industrial processes, the demand for on-line pH sensor is projected to witness fastest growth rate over the coming years.
Key players in the pH sensor market include Hach Company, Hanna Instruments, Mettler Toledo, Thermo Fisher, Honeywell, In-Situ Inc, Banpil Photonics Inc and others.

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