Global In-line Process Viscometer (ILPV) Market Size, Market Share, Application Analysis, Regional Outlook, Growth Trends, Competitive Scenario And Forecasts, 2012 To 2020

Description:

Industry Insights

Global petrochemical capacity expansion on account of higher per capita energy consumption is expected to drive in-line process viscometer (ILPV) market over the next six years. Petrochemical industries use ILPV owing to accurate fuel viscosity measurements and lowest set up costs. Increasing oil & gas exploration and drilling activities worldwide is expected to significantly augment ILPV market growth. They are gaining increasing importance in oil drilling & fracturing fluids owing to their ability to measure accurate fluid viscosity pumped into the wellbore. Pumping incorrect viscosity fluids would result into financial loses and increase overall cost of the drilling project.

Increasing production of automobiles worldwide is expected to fuel ILPV market growth over the forecast period as it is gaining acceptance in automotive industry owing to accurate control in maintaining fuel viscosity index. It controls fuels atomization through correct viscosity index which in turn is beneficial for efficient fuel combustion. Positive outlook on the growth of food processing industry is expected to drive ILPV market over the next six years. Food processing industry requires consistent food textures dependent on accurate fluid viscosity readings throughout the production process.

Inability to measure multidirectional fluid flow coupled with price wars among industry participants is expected to hamper ILPV market growth. Tracking real time parameters during multidirectional flow coupled with increasing niche application in pharmaceutical & healthcare is expected to provide a key opportunity for ILPV market growth.

Technology Insights

ILPV technology varies owing to measurement of different fluid's viscosity in various industries. Key technologies include rotational, vibration, torsional oscillation, coriolis, moving piston, acoustic wave and dynamic fluid pressure. Vibration technology dominated the market as it is extensively used in industries due to its ability to measure viscosity for wide range of fluids and low maintenance costs. Vibration technology is expected to witness steady growth rate over the forecast period. Acoustic wave is expected to be the fastest growing technology over the next six years owing to extensive used for monitoring oil conditioning in oil & gas industry.

Application Insights

This market involves applications based on oil & gas and end-use industry to measure accurate fluid viscosity to minimize operational costs and meet regulatory standards. Key applications include petroleum, chemical, food & beverages, automobile and pharmaceutical industries. Petroleum application dominated ILPV market and accounted for over 35% of share in terms of revenue in 2013. Increase in petroleum capacity expansion particularly in Asia Pacific and Middle East is expected to significantly augment ILPV demand for petroleum applications. Pharmaceutical industry is anticipated to be the fastest growing application segment especially in BRICS nations. Stringent government regulations in these regions in order to improve healthcare industry are expected to fuel the ILPV demand in pharmaceutical industry.

Regional Insights

Asia Pacific emerged as global market leader for ILPV and accounted for over 30% of market share in terms of revenue. The region is expected to dominate the market and witness fastest CAGR of over 7% over the next six years. Increase in energy demand coupled with chemical industry growth particularly in China and India is expected to fuel ILPV demand. Following Asia Pacific, North America and Europe account for major chunk of market and are anticipated to witness steady growth rate over the forecast period.

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Prorheo Gmbh
Brabender Gmbh & Co. Kg
Hydromotion
Marimex America LLC
Nametre (Galvanic Inc.)
Vaf Instruments
Fuji Ultrasonic Engineering
Sofraser
Micro Motion (Emerson Process Management)
Mat Mess- & Analysetechnik
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