ABB introduces HP30, a new process analyzer for refinery and petrochemical hydrogen management

Designed for in-line monitoring of hydrogen concentrations in presence of typical refinery contaminants

(Quebec, January 8, 2016) – ABB, the leading power and automation technology group, introduces the new HP30 hydrogen process analyzer intended for installation and use in refinery and petrochemical plant environments for the monitoring of hydrogen recycle and hydrogen make-up process streams.

The HP30 embodies the ABB “Measurement made easy” design philosophy by providing a simple to install plug and play analyzer with built in sample conditioning and pressure regulation so that it can be directly connected to the process. This analyzer delivers a fast and reliable hydrogen concentration measurements in the following unit operations; catalytic reformer, hydrocracker, isomerization unit, butamer off-gas, hydrotreater and fuel gas production.

Hydrogen is an extremely important, valuable and limited resource within a modern complex refinery. The profitable operation of a refinery is increasingly dependent on effective fuel upgrading and conversion activities, as well as effective control of final product fuel quality by managing the removal of sulphur from intermediate process streams.

On a typical refinery process unit, the HP30 hydrogen analyzer can save more than $200,000 a year by improving hydrogen management.

Incorrect hydrogen management can lead to catalyst failure or significantly reduced throughput. The HP30 helps to prevent these process upsets and avoid millions in catalyst replacement costs. Using the latest sensor technology, the HP30 is not affected by typical refinery contaminants such as H₂S, CO, CO₂ and light hydrocarbons. It does not require regular maintenance and has no expensive consumables.

See this brand new analyzer at IFPAC 2016 from January 24 to 27 at the Crystal City Marriott in Washington DC, USA - ABB Booth #210. Meanwhile you can visit our website at www.abb.com/analytical.
About ABB

ABB’s Measurement & Analytics business unit is among the world’s leading manufacturers and suppliers of instrumentation and analyzers, with thousands of experts around the world and high-performance technology, ABB’s team is dedicated to making measurement easy for its customers.

ABB (www.abb.com) is a leader in energy and automation technologies, allowing public services as well as industry, transport and infrastructure clients to improve their performance while reducing their impact on the environment. The ABB Group of companies operates in roughly 100 countries and employs about 140,000 people.

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