

# A/SCAN™ Pump Upgrade Program



Have you been concerned about your A/SCAN™ analyzer being sensitive to ambient conditions such as the humidity level in surrounding air that may affect your analyzer readings?

Well, these days are over!

Alcoa has published a paper at TMS 2007 highlighting an effect of ambient humidity on the A/SCAN™ reading. Alcoa could eliminate this effect by using Viton seals on the A/SCAN™ pump. At TMS 2008, Laval University (Quebec) and Rio Tinto Alcan have published a study with results of a detailed investigation on the A/SCAN™ key components and the ambient humidity effect on the A/SCAN™ reading. ABB has developed a new pump that eliminates this ambient humidity effect. As a result, the closed recirculation loop to the A/SCAN™ has been improved to ensure a reliable and stable hydrogen reading impervious to ambient humidity.

The improvement consists in a redesign of the A/SCAN™ recirculation loop with a new pump that provides reliable performance.

## New pump design includes

- Excellent life expectancy.
- New humidity blocking seals.
- Retrofit of the new pump into existing analyzers.

## Benefits compared to the old design

- Sensitivity to ambient humidity:  
Old: Possible effect of high humidity level on the A/SCAN™ hydrogen reading.  
New: Insensitive to ambient humidity variations.
- True Hydrogen readings.

## Ask the factory for a quote for

- New pump module.
- Calibration Service certified to ISO9001.
- Labor to replace old pump module with the new module.

## Available soon

First factory production is planned for the second quarter of 2009. For additional information or to get a proposal, please contact the ABB factory at the e-mail address written below.

ISO-9001/14001 compliant / Environmentally friendly: Optimize the life cycle of your equipment, extend the useful life of your ABB product.



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