

# AUTOMATIC COOLANT CONCENTRATION CONTROL AC<sup>3</sup>

## AUTOMATIC COOLANT CONCENTRATION CONTROL

### Automatically control the concentration of coolant in your Guardian™ Coolant Recycling System

The AC<sup>3</sup> Fluid Monitor is an economical in-line process refractometer. The unit's simple design has only one piece: a detection unit with an affixed digital display. Instead of interrupting an automated process, the embedded processor tests for Brix continuously while the process runs. Its simplicity makes it suitable for a wide variety of applications.



AC<sup>3</sup> Fluid Monitor

*"We're also gaining efficiencies in time spent making up coolant lost due to evaporation or drag out with a properly proportioned mix from the automated make-up system."*

—Chew Siew-Ling, Project Operations Manager,  
Cameron International

### Operation:

- Clean coolant from the Guardian clean tank will be continuously circulated through the Automatic Refractometer to monitor the coolant concentration ratio. The AC<sup>3</sup> system is designed to control the concentration ratio to +/-1%.
- When the concentration level drops below the required ratio, the system will add more chemical and less water to bring the concentration level up to the desired ratio.
- When the concentration level rises above the required ratio, the system will add less chemical and more water to bring the level down to the desired ratio. The system will dose the coolant for a predetermined amount of time and mix for 15 minutes before the AC<sup>3</sup> begins monitoring the coolant concentration ratio again. This prevents under- or over-dosing the system.



A true performance guarantee ensuring your PRAB equipment achieves the specific results it was designed and manufactured to deliver. And if you need technical support, call us. We are available 24/7.

Contact us to **request a quote** today

5801 East N Avenue, Kalamazoo, MI 49048

Phone: 1-800-968-7722 | Email: [sales@prab.com](mailto:sales@prab.com) | Website: [prab.com](http://prab.com)