

## Sensus' **accuWAVE™** Diaphragm Gas Meters Surpass ANSI Standard for Performance

**Raleigh, N.C.** (July 7, 2010) At three-times the ANSI standard for accelerated life-testing, the Sensus **accuWAVE™** diaphragm design continues to prove itself as a leader in long-term performance. Sensus recently completed additional 24/7 full-capacity flow testing that shows the **accuWAVE** diaphragm delivers consistent performance and stability even when used in excess of 12,000 hours and three million cubic feet of natural gas, the equivalent of twenty- to thirty-years consumption for an average United States home with gas heat.

Sensus introduced the **accuWAVE** diaphragm in its model R275 (ANSI Class 250) meter in December 2008, with the goal that it would deliver long-term accuracy and meter life that would be measured in decades. At that time, ANSI four thousand hour (one million cubic feet of gas) accelerated life-test results were more than promising. These latest test results confirm the exceptional performance delivered by the advanced technology of the **accuWAVE** diaphragm.

“Our test results show that shifts in the factory calibrations average less than a half-percent after a simulated thirty years of service. This is notable when you consider that some utilities replace meters after twenty years,” said Rob Ennis, VP of Marketing for Sensus Global Gas. “Testing also showed that the standard deviations are tight and stable, confirming that performance is consistent throughout the whole group of test meters.”

Summary test results:

	Non-Temperature Compensated		Temperature Compensated	
	Open Flow	Check Flow	Open Flow	Check Flow
<b>Average Proof Shift</b>				
1,000,000 CF	-0.53%	-0.12%	-0.28%	-0.06%
2,000,000 CF	-0.47%	-0.12%	-0.13%	+0.06%
3,000,000 CF	-0.58%	-0.17%	-0.17%	+0.15%

<b>Proof Std. Deviation</b>				
1,000,000 CF	0.30%	0.30%	0.32%	0.27%
2,000,000 CF	0.29%	0.29%	0.42%	0.22%
3,000,000 CF	0.26%	0.32%	0.36%	0.31%

Sensus is continuing the accelerated life testing. “We’re closing in on 4,000,000 cubic feet. It’s an amazing upgrade to a tried-and-proven metering technology,” Ennis added. The patent-pending **accuWAVE** diaphragm meter is available only from Sensus, and the design will be available on the model 415, Class 400 meter in mid-2010.

Sensus provides either the model R275, or the MR-8 metric version of the meter, with accuWAVE diaphragm to nearly all of its utility customers, including many of the largest utilities across North America. **accuWAVE** diaphragm meters have been approved by Measurement Canada, and Sensus is certified to seal the meters at its factory for Canadian customers. These approvals provide further verification of the quality and performance that can be expected from the company’s advanced diaphragm meter technology.

**About Sensus**

Sensus leads in innovative and evolving technology solutions that enable intelligent use and conservation of critical energy and water resources. Sensus has led the discovery, development, and implementation of technologies for the energy and water industries for more than a century. Water, gas, and electric utility customers around the world benefit from the company’s open, flexible products and solutions to help them optimize their resources – today and tomorrow. Headquartered in Raleigh, N.C., USA, Sensus serves customers from locations throughout the Americas, Europe, Africa and Asia. For more information, visit [www.sensus.com](http://www.sensus.com).

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