

March 2013

***Gems Sensors Intrinsically Safe Pressure Transmitters Meet CSA Demands***

**About Gems Sensors**

Gems Sensors & Controls is a leading manufacturer of level switch products, pressure switches, pressure transducers, flow switches, miniature solenoid valves, proximity switches and liquid level control units for use in a broad range of fluids across industry. Gems products feature an ever-expanding selection of fluidic and pressure sensing technologies.

The Gems Sensors & Controls (Gems) story began over 50 years ago in 1955 when the company founder, Edward H. Moore, developed a level indicator in his basement. It was patented in 1959. Along with an associate, Gordon Seigle, he established the Gems Company (GS for Gordon Seigle, EM for Ed Moore).

Today, Gems designs and manufactures a



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Davis Controls Ltd, the Canadian distributor for Gems Sensors, announces the introduction of the 31CS and 32CS Series intrinsically safe pressure transmitters. These series have been approved by CSA to the standards required for both USA and Canadian use in hazardous areas. The two new Series are identical, with the exception of the pressure diaphragm. 32CS Series transmitters feature a thicker diaphragm and a pressure restrictor to withstand the rigors of cavitation or extreme pressure spikes, improving stability and reliability in pulsating applications.

Based on the successful Gems 3100 and 3200 Series products, when used with a zener barrier, the CS Series transmitters are certified for operation in the following areas:

Class I, Division 1, Groups C and D  
Class I, Zone 0 Ex ia IIB T4 Ga  
Class 1, Zone 0 AEx ia IIB T4 Ga

Applications include hazardous area installations, such as wellhead automation, gas distribution and gas compressors. 31CS/32CS transmitters are compact and durable in harsh outdoor environments. They may be directly fitted to pipe work, so require none of the small bore pipe work needed to remotely utilize non-Division 1 certified transmitters. This enables 31CS/32CS Series transmitters to reduce time and cost of installation.

broad portfolio of liquid level, flow switches and pressure switches, miniature solenoid valves, and pre-assembled fluidic systems. Gems is a division of Danaher Corporation, a fortune 500 company with a presence around the globe. Gems Sensors & Controls has manufacturing facilities in North America, Europe, and Asia and supports sales, engineering and service offices around the world. Gems has the resources to support your design and manufacturing requirements anywhere you call home.



Both the 31CS and 32CS Series feature proven Sputtered Thin Film sensing technology, 17-4 PH stainless steel wetted parts and ASIC-controlled thermal compensation and signal conditioning. They are available in a wide variety of factory-configured settings, or may be configured to the customers application needs. Exceptional long-term stability (0.2% full scale/year drift) and high accuracy (0.25% full scale) together with high resistance to shock and vibration makes this product ideal for demanding applications.

**To order or for more information, please contact your Davis Controls Product Specialist.**



**Davis Controls Ltd.**

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