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**INFOVUE™ HIGH/LOW TEMP LCD SERIES FOR EXTREME CONDITION APPLICATIONS  
PROVIDES UP TO 50% TECHNOLOGY COST SAVINGS AND 80% ENERGY SAVINGS**

*Custom Lumex LCD displays also provide enhanced reliability and visual performance*

PALATINE, IL – Lumex announces the global launch of their InfoVue™ High/Low Temp series of custom, high-duty LCD displays for applications that perform in extreme heat or extreme cold. InfoVue™ High/Low Temp LCD displays provide a number of key benefits including reliable performance in a wider range of extreme temperatures, enhanced visual display quality and significant technology cost and energy savings.

“Previously LCDs that operated in extreme cold or extreme heat required bulky built-in heaters and coolers in order to ensure performance,” explained Yasoob Ahmed, Display Technology Manager, at Lumex. “The special liquid crystal used in the InfoVue High/Low Temp series eliminates the need for coolers and allows us to use low-power heaters -- allowing our LCDs to perform in more extreme conditions. Custom InfoVue LCD displays now provide superior performance and cost savings compared to alternative off-the-shelf technologies.”

Whereas existing LCD technology performed in the -20°C to +70°C temperature range, InfoVue High/Low Temp displays provide reliable, consistent high-quality performance from **-40°C to +85°C** –, making Lumex LCD technology a viable solution for a growing number of extreme condition applications. The growing demand for extreme-condition LCD technology can be seen in military, freezer, gas pumps/fuel meters, non-automotive transportation, and non-climate controlled facility applications.

Custom InfoVue High/Low Temp LCD displays can provide a **50% savings in technology costs and 80% energy savings** when compared to alternative technologies such as vacuum fluorescents.

InfoVue High/Low Temp LCD displays also offer significant visual performance benefits. Whereas conventional LCD displays can only provide alphanumeric displays in a limited number of segments and colors, InfoVue LCD displays provide full graphic capability and daylight visibility. When combined with LED backlighting technology, a wide range of color options are available. Users can either opt for a monochromatic screen with any color of LED backlight, or select negative image option with mono colored pixels and a black background.

InfoVue High/Low Temp LCD displays can be produced in sizes ranging from 8 x 1 character displays to 320 x 240 pixel graphic displays.

Custom production quantities of the InfoVue High/Low Temp technology are available in 12 weeks. Pricing is dependent on quantity ordered, and is approximately \$1 to \$80 per unit in production quantities dependent on size and quantity ordered.

**Lumex Contact Information**

For additional information or engineering assistance:

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### **About Lumex**

Lumex, an ITW company, is a leading designer and manufacturer of optoelectronic components, devices and displays. Lumex offers thousands of high-efficiency, state-of-the-art optoelectronic components, devices and displays, with an emphasis on both application-specific and customer-specific parts for the North American, Asian and European markets.

The company is headquartered in Palatine, Illinois and Chu Dung, Hsin Chu County, Taiwan, ROC,. Manufacturing facilities are located in Illinois, Taiwan and China with distributors throughout North America, Europe and the Pacific Rim. Since its inception in 1980, Lumex was established as a global organization offering application-specific solutions – but with the manufacturing efficiencies normally associated only with volume operations. Lumex received its initial ISO 9001 registration in 1996.

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### **Photography**

IMAGE:

*InfoVueHighLowLCD.jpg*

SAMPLE CAPTION:

**IMAGE NEEDED.**

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