



Cold Facts

The Magazine of the Cryogenic Society of America, Inc.

Winter 2010 Volume 26 Number 1

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Spotlight on Sustaining Member

Meyer Tool Hires Peter Beck



Meyer Tool & Mfg., Inc. has announced the addition of Peter Beck in the position of Director, Business Development and Sales.



Beck has over 25 years of experience in sales, product management, design, and manufacturing in multiple industries including advanced manufacturing systems and heavy industry. Beck has a Bachelor of Science degree in Mechanical Engineering from the University of Wisconsin-Madison as well as an advanced certificate in Sales and Marketing from the University of Wisconsin-Madison School of Business.

His responsibilities at Meyer Tool will include developing new business opportunities in cryogenic, vacuum and pressure technology as well as insuring total customer satisfaction from initial conceptual discussions through project completion and delivery.

A “plug and play” provider of cryogenic, pressure and vacuum technologies, Meyer Tool strives to benefit their customer via reduced project risk from prototype development through pre-production and production. www.mtm-inc.com.

AdSem’s New Thermistors



AdSem, Inc., Mountain View CA, an inventor and a manufacturer of unique Ge and Si temperature sensors for high-, low- and ultra-low temperatures (500°C-1 mK), announces extension of its Si cryogenic NTC thermistor family.

Using special doping, AdSem has developed high performance Si NTC thermistors for temperature ranges of 400K-77K, 300K-0.3K and 4.2K-1mK. These Si thermistors have increased thermosensitivity, decreased sensitivity to magnetic field at helium temperatures, higher thermoconductivity (particularly important for ultra-low temperature nuclear detectors/calorimeters operating at T<1K) and almost two orders of magnitude higher radiation hardness in comparison with Ge cryogenic thermistors.

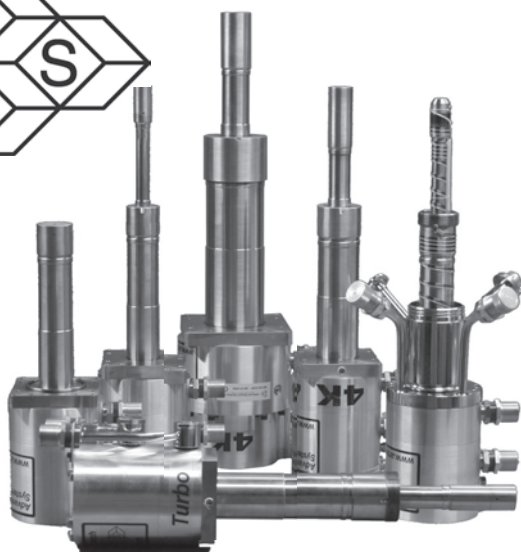
These cryogenic thermistors are important for measurements in presence of nuclear radiation: neutron “cold” sources, neutron polarizing filters, accelerators with superconducting magnets, measurements in space, for example, as Si nuclear calorimeters/X-ray detectors instead of thin ion-implanted Si thermistors.

AdSem offers these Si cryogenic thermistors with leads or as dies with surface area from a few square centimeters down to 100x100µm². Superwide temperature thermistors with operating temperature 0.3K-700K and standard size Si thermistors for any narrow temperature range between 1mK and 400K are immediately available.

For more information on AdSem’s products, visit www.adsem.com.

Wanted: Co-chairs and corporate sponsor for Space Cryogenics Workshop July 2011
Contact laurie@cryogenicsociety.org for details.

Closed Cycle Cryocoolers



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