

CEP Showcase

Process Measurement and Control Instruments



OTEK CORP.
 • Bargraphs • DPMs/Counters
 • Wireless • 4-20mA I/O

4-20mA (25)
PORTABLE
CALIBRATOR

Model 420

520-748-7900/877-227-6835

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Process Simulation Software



VMGSim™ provides accurate, robust and cost-effective Process Simulation Software to predict the behavior of process units and manufacturing plants. Excellent thermophysical properties package powered by VMGThermo™. Create process schematics using the integrated Visio™ graphics engine. Embed HTRI Xchanger Suite™ models in your simulation. Seamlessly connect Excel™ spreadsheets as unit operations in your flowsheet model in a Completely Interactive, Bidirectional simulation environment. **For more information visit our website at www.virtualmaterials.com**

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Flaresim Software



Flaresim software program allows engineers to evaluate thermal radiation, noise and surface temperatures generated from flare systems. The program analyzes complex systems with any combination of multiple flare tips on multiple flare stacks. Pipe flares, Sonic flares and Mud/liquid burners can be modeled using a range of algorithms including the API guideline methods. Results are available via extensive text and graphical outputs for displaying radiation contours and noise levels. Since initial release in 1987 FLARESIM has now become the industry standard and is used by Flare Vendors, Contractors, Operators and Specialist consultants worldwide. www.flaresim.com

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ProMax® with TSWEET® & PROSIM®



ProMax® is a powerful and versatile stream based process simulation package for the design and optimization of gas gathering, amine sweetening, gas processing, refining, and chemical facilities. **Bryan Research & Engineering, Inc.**
 Tel: 979-776-5220; www.bre.com

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Chemical Engineering Modeling Tool



COMSOL, Inc.'s FEMLAB puts you on the front line! FEMLAB Chemical Engineering comprises a powerful, unique environment for modeling momentum, heat and mass transport coupled to chemical reactions. Now you can model fluid flow, gas flow and incompressible turbulent flow using a single tool. FEMLAB's key features include: simultaneous solving of an arbitrary number of coupled nonlinear PDEs

and state-of-the-art solvers for linear and nonlinear stationary and time-dependent problems in 1D, 2D, and 3D. www.comsol.com

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Piping Design Software



Chemstations has released CC-SAFETY NET for piping networks and safety relief systems, including two phase venting. These systems can be studied in a steady state or dynamic mode. The calculations use the core components of the CHEMCAD simulator: a full physical property database and set of thermodynamic options for calculating phase equilibrium; this sets CC-SAFETY NET apart and gives users distinct, bottom-line advantages.

Visit us, <http://www.chemstations.net>, or call us, 800-243-6223

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