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DLT CURRENT TRANSDUCERS--A LOW-COST, EFFECTIVE ALTERNATIVE TO CURRENT SHUNTS FOR MONITORING PHOTOVOLTAIC PANELS

SAN JOSE, CA, December 2010 –While shunts are commonly used in monitoring Photovoltaic panels, hall-element based DLT **loop-powered**, current transducers from NK Technologies are low-cost, easy-to-install, and provide a more accurate measurement of current output.

The DLT DC current transducers provide very stable, highly accurate output at broad temperature extremes, industry standard output signals with high levels of noise immunity, and complete isolation from the monitored circuit. Shunts are more prone to inaccurate outputs as the temperature increases and they need insulated covers to keep personnel away from potentially lethal voltages. In addition, the output is very low, susceptible to interference and must be conditioned to be used by most programmable logic controllers or panel meters.

The new DLT transducers are single range, take minimal panel space in combiner or re-combiner boxes, and produce a 4-20 mA signal through a two-wire loop, using nominal 24VDC in series with the output. As with all loop-powered signals, they can be converted to 1-5 VDC or 2-10 VDC by the addition of a field-installed resistor across the controller input terminals. The design saves time and cabling costs at installation. Just two wires are used and instead of cutting or stripping the conductor or disturbing wiring as needed when installing a shunt, the installer has the option of threading the conductor through the sensor aperture or, with the split-core models, placing the sensor around the conductor.

All NK Technologies' products are made in the USA and are backed by a 5-year warranty.

About NK Technologies

Headquartered in the Silicon Valley, NK Technologies is a leading manufacturer of current, voltage, ground fault, and power monitoring products for industrial automation, HVAC and energy-related industries. Primary applications include monitoring and control of automated systems as well as equipment protection. Established in 1982, the company has built a reputation for quality products which are easy to install and cost-effective to use. For more information visit www.nktechnologies.com.

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