

**FOR IMMEDIATE RELEASE****Contact:**

David Crump, Marketing Communications

800.321.6786 / 951.695.3010

[dcrump@opto22.com](mailto:dcrump@opto22.com)

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<http://www.opto22.com/pressroom>**Opto 22 Introduces New Isolated Analog Modules**

Temecula, CA – December 20, 2005 – Opto 22, a developer and manufacturer of hardware and software for industrial automation, remote monitoring, data acquisition, and machine-to-machine (M2M) applications, has introduced four new isolated analog modules:

SNAP-AIARMS-i, used for applications involving AC/DC current measurement; SNAP-AIVRMS-i, used for applications involving AC/DC voltage measurement; SNAP-AIMA2-i, used for monitoring very low currents; and SNAP-AOA-23-iSRC, which features built-in, isolated loop sourcing and is used to output current values to industrial devices.

"These new analog I/O modules offer full isolation between field devices connected to the same module," states Tom Edwards, Senior Application Engineer at Opto 22. "This electrical isolation eliminates the possibility of any damage resulting from differing operating voltages for the connected devices, and protects against damage to devices that may share a module with an overloaded or otherwise malfunctioning device. Also, the built-in, isolated loop sourcing on the SNAP-AOA-23-iSRC can significantly reduce troublesome ground loops when installing 4-20 mA instrumentation."

The SNAP-AIARMS-i offers two channels of 0-10 amp RMS AC/DC input and is perfectly suited for the 5-amp secondary input of current transformers used to monitor AC line current in factory power distribution centers. In these types of applications, the SNAP-AIARMS-i enables early detection of spikes in the facility's electrical consumption, often due to malfunctioning compressors, failed bearings or other components.

The SNAP-AIVRMS-i provides two individually isolated channels of AC or DC input with a range of 0 to 250 AC/DC volts. It is ideal for monitoring the commonly found 120/240-volt AC and 12/24/48-volt DC system voltages to powered equipment and the process voltages of that equipment as it operates.

The SNAP-AIMA2-i provides two isolated input channels with a range of -1 to +1 milliamps. It is best suited for measuring very low currents in the microampere range.

The SNAP-AOA-23-iSRC provides two channels of current output with a range of 4 to 20 milliamps, and includes built-in, isolated current loop sourcing which saves instrumentation technicians' time and the costs associated with providing required isolated external loop power.

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TEMECULA, CA

9 2 5 9 0

f 800/321.OPTO

951/695.3000

f 951/695.3095

www.opto22.com

"Users of Opto 22's popular *mistic* family of I/O systems—developed in the early 1990's—have found loop-sourcing so valuable, and now it's available in SNAP I/O," explains Edwards.

The SNAP-AOA-23-iSRC's loop sources are internally connected to the individual outputs. Additionally, the two channels and their loop sources share no field connections and are isolated from each other. Each loop source is also current limited so that an external fault on one loop will not affect the other.

All of these new modules are part of Opto 22's flagship SNAP Ethernet systems family and are fully supported by ioProject™ Basic and ioProject Professional, comprehensive software suites that include control programming, debugging, human-machine interface development, OPC connectivity, and utilities.

The modules are designed for use with Opto 22 SNAP B-series mounting racks in control system architectures with SNAP Ultimate, SNAP Ethernet, or SNAP Simple brains as well as the recently introduced SNAP PAC-R and SNAP PAC-S programmable automation controllers.

The SNAP-AIARMS-i, SNAP-AIVRMS-i, SNAP-AIMA2-i, and SNAP-AOA-23-iSRC (available now through Opto 22 authorized distributors, partners, and system integrators, or through the Opto 22 website) are priced as follows:

- SNAP-AIARMS-i – \$265 USD
- SNAP-AIVRMS-i – \$265 USD
- SNAP-AIMA2- i – \$265 USD
- SNAP-AOA-23-iSRC – \$265 USD

## About Opto 22

Opto 22 develops and manufactures hardware and software products for applications in industrial automation, remote monitoring, and data acquisition. Using standard, commercially available Internet, networking, and computer technologies, Opto 22's input/output and control systems allow customers to monitor, control, and acquire data from all of the mechanical, electrical, and electronic assets that are key to their business operations. Opto 22's products and services support automation end users, OEMs, and information technology and operations personnel. Founded in 1974 and with over 85 million Opto 22-connected devices deployed worldwide, the company has an established reputation for innovation, quality, and reliability.

Opto 22 products are sold through a worldwide network of distributors, partners, and system integrators. For more information, contact Opto 22 headquarters at 800-321-OPTO or visit the website at [www.opto22.com](http://www.opto22.com).