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New High-Frequency SNAP I/O Modules from Opto 22 Expand Analog Signal Options for SNAP PAC System

High-frequency SNAP-AIRATE-HFi rate input and SNAP-AOD-29-HFi pulse-width modulation (PWM) modules support testing, simulation, and other high-speed applications.

Temecula, CA – October 9, 2013 – Industrial automation manufacturer Opto 22 has announced two new high-frequency analog SNAP I/O modules: the SNAP-AIRATE-HFi rate-input module and the SNAP-AOD-29-HFi module with pulse-width modulation (PWM) and time-proportional output (TPO). These SNAP I/O modules are ideal for test engineers, technicians, and others working with high-speed machinery, equipment test beds, and other applications that monitor high-frequency analog signals and rapidly switch digital outputs in response to a changing analog value. Both SNAP-AIRATE-HFi and SNAP-AOD-29-HFi modules are used with Opto 22's SNAP PAC System, which includes programmable automation controllers (PACs) and Ethernet-based I/O systems.

The SNAP-AIRATE-HFi analog input module connects to TTL, CMOS, and open-collector outputs, and is typically used for high-speed (up to 500 kHz) pulse scanning. The module has two isolated channels, each of which can be configured for a 0.1-second measurement interval with an input range of 20 Hz to 500 kHz, or a 1-second measurement interval with an input range of 2 Hz to 500 kHz. For each channel, 9 VDC is provided internally for devices with open-collector outputs, making it unnecessary to provide a pull-up voltage supply.

The SNAP-AOD-29-HFi sends pulse-width modulated outputs to high-frequency transducers and can be used, for example, with test bed applications that simulate tachometer outputs. Each of the module's two optically isolated channels can switch 100 mA of load current

ranging from 2.5 VDC to 24 VDC (supplied externally), over a period range of 10 microseconds to 64.25 seconds (0-100 kHz). Like all Opto 22 SNAP I/O modules, the SNAP-AIRATE-HFi and SNAP-AOD-29-HFi modules are optically isolated from the equipment and devices they connect to, as well as from other analog, digital, and serial modules on a shared I/O rack.

The SNAP-AIRATE-HFi and SNAP-AOD-29-HFi modules are available now at a list price of $235.00 USD each. For more information, download the SNAP Isolated Analog Input Modules datasheet (form #1182) or the SNAP Analog Output Modules datasheet (form #1066) from the Opto 22 website, or contact Opto 22 Pre-Sales at 951-695-3000 or toll free at 1-800-321-6786.

About Opto 22

Opto 22 develops and manufactures hardware and software for applications involving industrial automation and control, energy management, remote monitoring, and data acquisition. Designed and made in the U.S.A., Opto 22 products have an established reputation worldwide for ease-of-use, innovation, quality, and reliability. Opto 22 products, which use standard, commercially available networking and computer technologies, are used by automation end-users, OEMs, and information technology and operations personnel in over 10,000 installations worldwide. The company was founded in 1974 and is privately held in Temecula, California, U.S.A. Opto 22 products are available through a global network of distributors and system integrators. For more information, contact Opto 22 headquarters at +1-951-695-3000 or visit www.opto22.com.

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