



High quality data acquisition and embedded control products.

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SG-3016: Signal Conditioner; Isolated Strain Gauge Input Module

Your business can weather the economic crunch with increased efficiency. At the level of electrical instrumentation that involves a clean, distortion-free signal. Our [SG-3016](#) signal conditioner can deliver that kind of fidelity with 3000Vdc of three-way isolation for input, output and power. A handy slice of technology, the module allows electrical communication between a host of machines, facilitating applications on the plant floor, the research lab or any other setting where equipment needs to be integrated. The [SG-3016](#) signal conditioner accepts a range of voltages and outputs a range of voltages and currents. To get all specific on you, the settings for input voltages run ($\pm 10\text{mV}$, $\pm 20\text{mV}$, $\pm 30\text{mV}$, $\pm 50\text{mV}$, $\pm 100\text{mV}$, 1 - 10Vdc), the output voltages span ($\pm 5\text{V}$, $\pm 10\text{V}$, 0 - 5V, 0 - 10V) and the current outputs vault (0 - 20mA) setting-wise. All of these ranges can be internally configured by the user and the bandwidth of the unit is typically 600Hz. Also, our electrical translator of sorts doesn't sacrifice accuracy for variety of ranges being exact to $\pm 0.1\%$ of the full range of the setting. In addition to performing handy signal conditioning functions, our modules also delivers strain gauge input features. Such gauging operations become a necessity within electromechanical environments with serious tension and compression of the physical instruments and materials.

All this signal conditioning comes in a package ready for unexpected environments. The module can withstand a sweep of temperatures while maintaining smooth operation. The [SG-3016](#) signal conditioner is also din-rail mountable to optimize allotted space. Just like people, devices sometimes need an agent for communicating. Our [SG-3016](#) makes sure the signal gets through in a clear and reliable way.

ICP DAS USA is a cost effective leader in the US industrial market; offering a stunningly competitive price/performance ratio, while catering to the latest solutions for current industrial trends. We are a Fast Growing Provider of High Quality Industrial Data Acquisition Systems and Control Products! Our Mission: We seek to provide our customers with cost effective, flexible, and easy to use solutions for their Data Acquisition and Embedded Control Applications. [ICP DAS USA](#) provides a great variety of products with modular and universal solutions for any scale application or projects

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit our website at www.icpdas-usa.com, or give us a call, toll free, at 1-888-971-9888 and one of our engineers would be happy to assist in reviewing the project requirements, ensuring that the highest quality solution is presented in your final application.

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