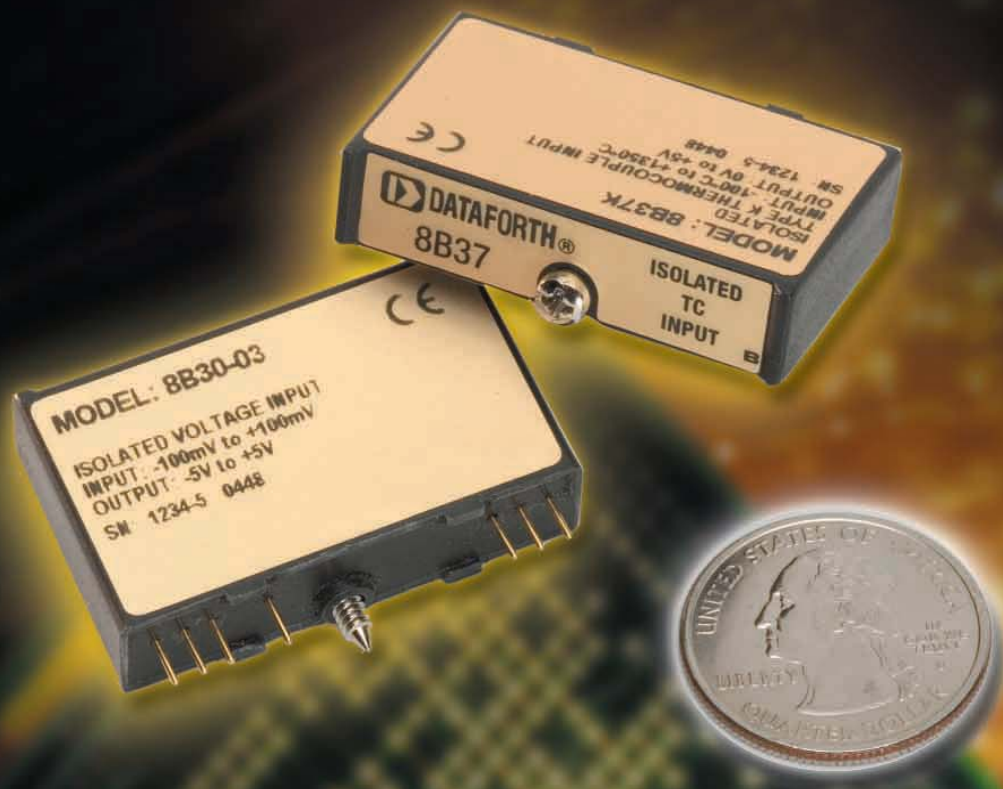


**The World's Smallest Fully Functional  
Isolated Analog Signal Conditioner**

# **SensorLex™ 8B from Dataforth**



## **All SensorLex™ 8B Modules**

- **Protect, Filter, Amplify,  
and Isolate Input Signal**
- **Provide Instrument Class®  
Analog Output**

 **DATAFORTH®**

# SensorLex™ 8B Isolated Analog Signal Conditioners

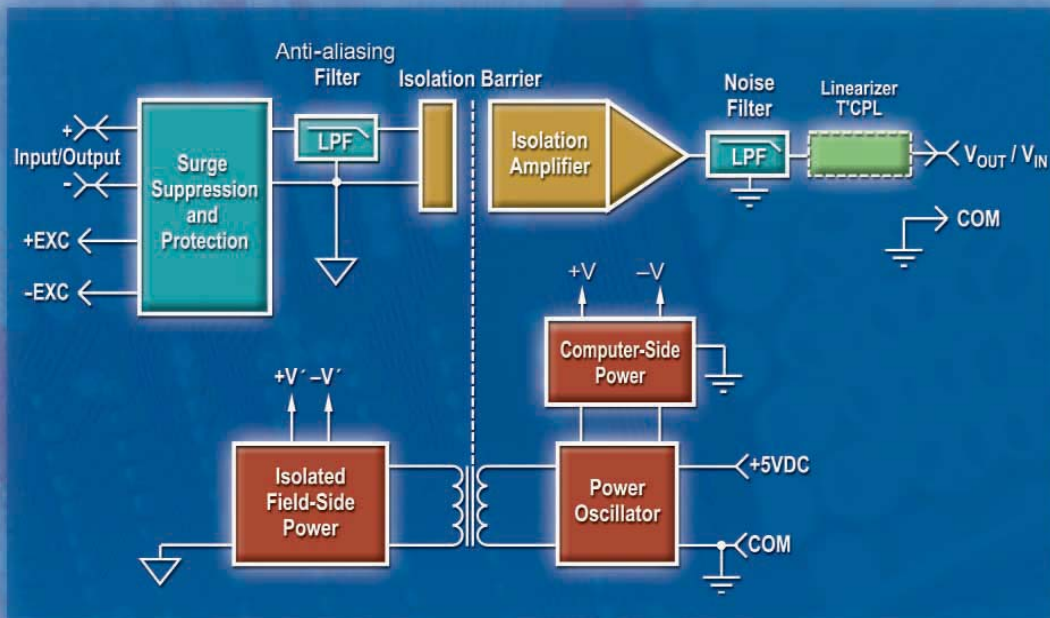
Developed in response to customer requests worldwide for a smaller, lower cost isolated signal conditioner, Dataforth's new SensorLex™ 8B more than meets the need, providing:

- **Instrument Class® Performance**
- **80% Smaller Packaging than Similar Products**
- **Cost-effective Pricing**

The 8B line includes 17 family groups with a total of 106 models that interface to a wide variety of voltage, current, temperature, position, frequency, and strain measuring devices.

**All models offer superior specifications including:**

- $\pm 0.05\%$  Accuracy
- $\pm 0.02\%$  Linearity
- 1500Vrms Isolation
- 3-Pole Noise Filtering, -60dB/Decade
- ANSI/IEEE C37.90 Transient Protection
- Field I/O Protection up to 240VAC Continuous
- -40°C to +85°C Operating Temperature Range
- 5V Power (30mA Typical)
- CE Compliance and Other Agency Approvals Pending



**Given its high performance, low cost, and small size, Dataforth's new 8B family represents a true technological breakthrough.**

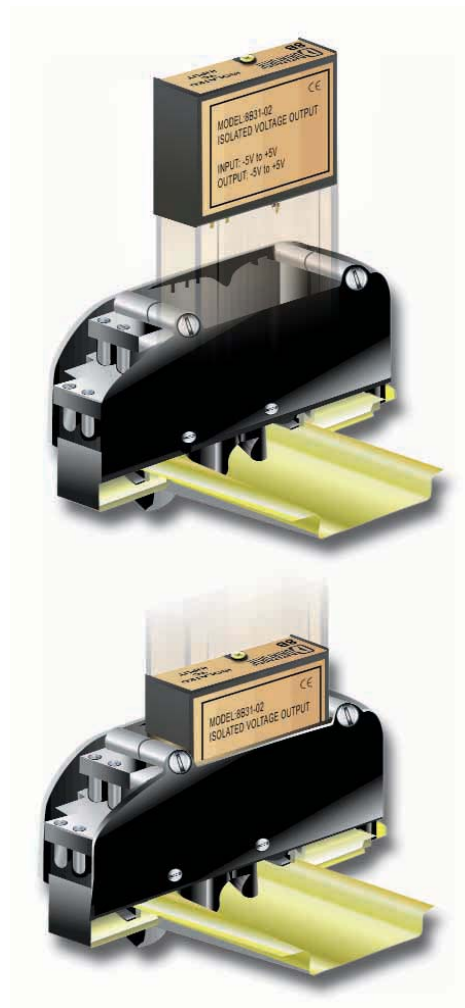
The 8B is specifically designed to protect user equipment from electrical transients and industrial equipment power-line voltages, while reducing electrical noise in measured signals and enabling convenient system expansion and repair.

At *one-fifth the size of competing products*, the SensorLex™ 8B is ideally suited for embedded and portable applications, such as:

- **PC/104 Embedded Solutions**
- **Compact PCI Systems**
- **VMEbus Systems**
- **PXI Systems**

The 8B is housed in a solid, potted thermoplastic plug-in-the-panel package that measures only 1.11 x 1.65 x 0.4 inches (28.1 x 41.9 x 10.2mm) with flammability rating of UL-94 V-0.

Custom signal conditioning models are available to meet your unique signal conditioning needs. In addition, the 8B line will soon be available in a DIN mount configuration.



### **Design-in Accessories**

Design-in accessories include a selection of backpanels (2, 4, 8, and 16 channels) that provide screw-terminal inputs and outputs, as well as a DB25 header connector that connects 8B I/O to a user's data acquisition system. The DB25 cables are available in a 1, 2, or 7 meter lengths. Moreover, a power supply module in the same 8B form-factor is offered to accommodate input voltages of 12 to 28VDC and provide 5VDC output at 2A to power any combination of 8B signal conditioners. The 8BPWR module plugs into its own socket on the backpanel.



## PRODUCT SELECTION GUIDE

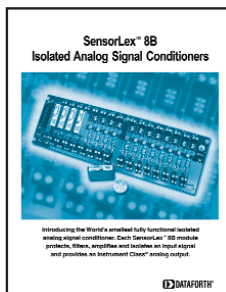
### 8B Isolated Analog Signal Conditioning Modules

Model	Description	2005 Availability
8B30/31	Analog Voltage Input Modules, 3Hz BW	Stock
8B32	Current Input Modules, 3Hz BW	Stock
8B34	Linearized 2- or 3- Wire RTD Input Modules, 3Hz BW	June
8B35	Linearized 4-Wire RTD Input Modules, 3Hz BW	June
8B36	Potentiometer Input Modules, 3Hz BW	June
8B37	Non-Linearized Thermocouple Input Modules, 3Hz BW	Stock
8B38-3x	Strain Gage Input Modules, Full, 1/2, or 1/4, 3Hz BW	June
8B38-0x	Strain Gage Input Modules, Full, 1/2, or 1/4, 3kHz BW	June
8B39	Current Output Modules, 100Hz BW	April
8B40/41	Analog Voltage Input Modules, 1kHz BW	April
8B42	2-Wire Transmitter Interface Modules, 100Hz BW	June
8B45	Frequency Input Modules up to 100kHz	August
8B47	Linearized Thermocouple Input Modules, 3Hz BW	Stock
8B49	Voltage Output Modules, 100Hz BW	July
8B50/51	Analog Voltage Input Modules, 20kHz BW	May
8B Accessories	2-, 8-, 16-Channel Backpanels; DIN Rail Mounts, Cables, Power Supplies, 19-inch Racks	Stock

**Dataforth Corporation** was established in 1984 and is a worldwide leader in the design and manufacture of signal conditioning, data acquisition, and data communication products for industrial and institutional markets. The company offers a broad range of analog

and digital I/O modules, 2-wire transmitters, data acquisition systems, industrial data modems, and modem systems.

**The Dataforth Quality Management System is ISO 9001:2000 Registered**



Download the SensorLex™ 8B Isolated Analog Signal Conditioners 24-pg Catalog.

For more information visit our website:  
[www.dataforth.com/8b](http://www.dataforth.com/8b)



For additional Dataforth products visit our website:  
[www.dataforth.com](http://www.dataforth.com).

See our new catalog for industry's largest selection of signal conditioning solutions.



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