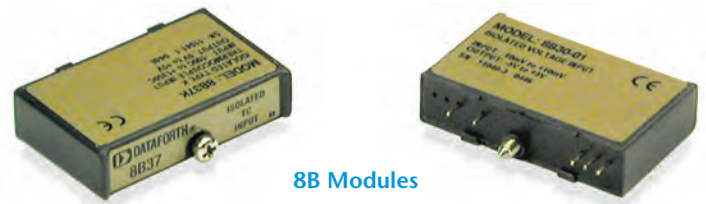


# 8B Module Selection Guide

## for DBK48 Signal Conditioning Options

8B modules allow you to use IOtech PC-based data acquisition systems in applications with a diverse range of signal conditioning requirements. These applications include potentiometer, isolated current loop inputs,  $\pm 10$  mV to  $\pm 60$ V inputs, linearized RTD, thermocouple, and all popular strain gage configurations. The following is a listing of the 8B modules available for IOtech products.



Voltage Input Modules (3-Hz BW)		
IOtech Part #	Input Range	Output Range
SC-8B30-02	$\pm 50$ mV	$\pm 5$ V
SC-8B31-01	$\pm 1$ V	$\pm 5$ V
SC-8B31-03	$\pm 10$ V	$\pm 5$ V
SC-8B31-09	$\pm 40$ V	$\pm 5$ V

Current Input Modules (3-Hz)		
IOtech Part #	Input Range	Output Range
SC-8B32-01	4 to 20 mA	0 to +5V
SC-8B32-02	0 to 20 mA	0 to +5V

Linearized 2- or 3-Wire RTD Modules (0 to +5V Output, 3-Hz BW)		
IOtech Part #	Type	Input Range
SC-8B34-03	100 Pt	0 °C to +200 °C (+32 °F to +392 °F)

Strain Gage Input Modules				
IOtech Part #	Input Range	Excitation Voltage	Output Range	BW
SC-8B38-05	-20 mV to +20 mV	+10.0V	-5V to +5V	3 kHz

Voltage Input Modules (1 kHz BW)		
IOtech Part #	Input Range	Output Range
SC-8B41-01	$\pm 1$ V	$\pm 5$ V
SC-8B41-03	$\pm 10$ V	$\pm 5$ V
SC-8B41-09	$\pm 40$ V	$\pm 5$ V

Linearized Thermocouple Input Modules (0 to +5V Output, 3-Hz BW)		
IOtech Part #	Type	Input Range
SC-8B47-K-04	K	0 °C to +1000 °C (+32 °F to +1832 °F)
SC-8B47-K-05	K	0 °C to +500 °C (+32 °F to +932 °F)
SC-8B47-K-13	K	-100 °C to +1350 °C (-148 °F to +2462 °F)
SC-8B47-T-06	T	-100 °C to +400 °C (-148 °F to +752 °F)

Voltage Input Modules, 20 kHz Bandwidth		
IOtech Part #	Input Range	Output Range
SC-8B51-01	$\pm 1$ V	$\pm 5$ V
SC-8B51-03	$\pm 10$ V	$\pm 5$ V
SC-8B51-09	$\pm 40$ V	$\pm 5$ V

**Note:** 8B modules must be purchased separately. All sales are final with no right of return.