

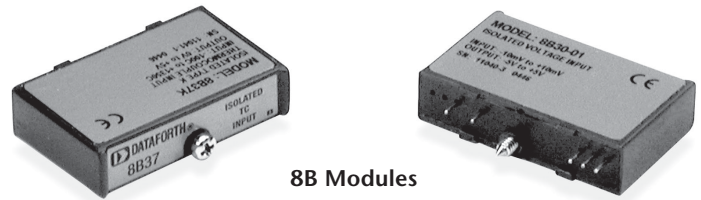


8B Module Selection Guide

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, ± 10 mV to ± 60 V inputs, linearized RTD, thermocouple, and all popular strain gage configurations. The following is a complete listing of the 8B modules available for IOtech products.



8B Modules

Voltage Input Modules (3-Hz BW)

IOtech Part #	Input Range	Output Range
SC-8B30-01	± 10 mV	± 5 V
SC-8B30-02	± 50 mV	± 5 V
SC-8B30-03	± 100 mV	± 5 V
SC-8B31-01	± 1 V	± 5 V
SC-8B31-02	± 5 V	± 5 V
SC-8B31-03	± 10 V	± 5 V
SC-8B31-04	± 1 V	0 to +5V
SC-8B31-05	± 5 V	0 to +5V
SC-8B31-06	± 10 V	0 to +5V
SC-8B31-07	± 20 V	± 5 V
SC-8B31-08	± 20 V	0 to +5V
SC-8B31-09	± 40 V	± 5 V
SC-8B31-10	± 40 V	0 to +5V
SC-8B31-12	± 60 V	± 5 V
SC-8B31-13	± 60 V	0 to +5V

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-8B34-01	100 Ω Pt	-100°C to $+100^{\circ}\text{C}$ (-148°F to $+212^{\circ}\text{F}$)
SC-8B34-02	100 Ω Pt	0°C to $+100^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+212^{\circ}\text{F}$)
SC-8B34-03	100 Ω Pt	0°C to $+200^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+392^{\circ}\text{F}$)
SC-8B34-04	100 Ω Pt	0°C to $+600^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+1112^{\circ}\text{F}$)

Potentiometer Input Modules (0 to +5V Output, 3-Hz BW)*

IOtech Part #	Input Range	Output Range
SC-8B36-01	0 to 100 Ω	0 to +5V
SC-8B36-02	0 to 500 Ω	0 to +5V
SC-8B36-03	0 to 1 k Ω	0 to +5V
SC-8B36-04	0 to 10 k Ω	0 to +5V

Voltage Input Modules (20-kHz BW)

IOtech Part #	Input Range	Output Range
SC-8B40-01	± 10 mV	± 5 V
SC-8B40-02	± 50 mV	± 5 V
SC-8B40-03	± 100 mV	± 5 V
SC-8B41-01	± 1 V	± 5 V
SC-8B41-02	± 5 V	± 5 V
SC-8B41-03	± 10 V	± 5 V
SC-8B41-04	± 1 V	0 to +5V
SC-8B41-05	± 5 V	0 to +5V
SC-8B41-06	± 10 V	0 to +5V
SC-8B41-07	± 20 V	± 5 V
SC-8B41-08	± 20 V	0 to +5V
SC-8B41-09	± 40 V	± 5 V
SC-8B41-10	± 40 V	0 to +5V
SC-8B41-12	± 60 V	± 5 V
SC-8B41-13	± 60 V	0 to +5V

Linearized Thermocouple Input Modules (0 to +5V Output, 3-Hz BW)

IOtech Part #	Type	Input Range
SC-8B47-J-01	J	0°C to $+760^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+1400^{\circ}\text{F}$)
SC-8B47-J-02	J	-100°C to $+300^{\circ}\text{C}$ (-148°F to $+572^{\circ}\text{F}$)
SC-8B47-J-03	J	0°C to $+500^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+932^{\circ}\text{F}$)
SC-8B47-J-12	J	-100°C to $+760^{\circ}\text{C}$ (-148°F to $+1400^{\circ}\text{F}$)
SC-8B47-K-04	K	0°C to $+1000^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+1832^{\circ}\text{F}$)
SC-8B47-K-05	K	0°C to $+500^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+932^{\circ}\text{F}$)
SC-8B47-K-13	K	-100°C to $+1350^{\circ}\text{C}$ (-148°F to $+2462^{\circ}\text{F}$)
SC-8B47-K-14	K	0°C to $+1200^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+2192^{\circ}\text{F}$)
SC-8B47-T-06	T	-100°C to $+400^{\circ}\text{C}$ (-148°F to $+752^{\circ}\text{F}$)
SC-8B47-T-07	T	0°C to $+200^{\circ}\text{C}$ ($+32^{\circ}\text{F}$ to $+392^{\circ}\text{F}$)

Additional 8B modules will be introduced throughout 2005.
Visit www.iotech.com/8Bmod for the most recent listing.

* Available June 2005