DI-500/510 Series and DI-750/760 Series



From Sensor to Results
with One Product
Accepts DI-5B
Series Plug-in Signal
Conditioners
Built-in ADC and
Computer Printer Port

Portable and Desktop or Rackmount Configurations Available

Interface

DI-500/510 and DI-750/760 Series data acquisition instruments offer a full range of solutions for demanding industrial measurements. Each instrument in the family is fully integrated to provide signal conditioned measurement types—without multiple boxes. Instruments conveniently attach to the printer port of any desktop PC. Their built-in ADC allows sample rates of one to 250,000 samples per second in either triggered or continuous data acquisition modes. Best of all, plug-in DI-5B series signal conditioners allow virtually any industrial measurement to be made with fail-safe, 600-volt input-tooutput isolation. It has never been easier to bring an instrument to a measurement site or safer to make demanding industrial measurements with more flexibility.



Shown: Back of DI-760 (above); DI-500-16 (lower right)

Features

Portable Configurations

Do you make measurements on the run? Then consider our DI-500/510 Series of products. The portable case is constructed of tough, nonconductive plastic. A carrying handle and latching lid allow you to move the instrument to and from any measurement site with ease. Built-in banana connector jacks and screw terminals simplify signal connections in the field.

Desktop Configurations

Is a dedicated measurement in order? Then consider our DI-750/760 Series desktop model. This sleek 3½-in. high unit occupies little space and may be mounted in a 19 in. rack with an optional kit.

Connect To Any PC

Instruments connect to standard, bidirectional, or enhanced parallel ports (EPP) of desktop, laptop, or notebook PCs.

Signal Conditioned Inputs

Select from 16 to as many as 32 DI-5B module signal conditioned channels—all within a single enclosure. DI-5B modules connect you to the entire spectrum of industrial measurements: VDC, VAC, Thermocouple, RTD, Frequency, Current, Potentiometer, and Strain. Built-in 600V of input-to-output isolation lets you make any measurement you need under any circumstances.

AC- or DC-powered

All instruments are supplied with an adapter to operate from any convenient AC outlet - or power the units from any 9 to 36 VDC source.

WINDAQ Software Support

The entire DI-500/510 and DI-750/760 product line is supported by WINDAQ data acquisition, playback, and analysis software. WINDAQ allows you to acquire multichannel data, display it in real time, and record it to disk with time and date and full calibration information. Playback software allows you to review previously recorded data and graphically analyze it in a variety of different ways.

Additional Software Support

DI-500/510 and DI-750-760 Series instruments are provided with a complete software development kit for DOS and Windows. A DLL allows you to integrate the instrument with any Windows program. A number of DOS libraries allow access to product hardware through a wide range of DOS programming languages. Drivers for LabVIEW and TestPoint are provided by request at no charge.



Data Acquisition and Signal Conditioning in One Package

1 Choose your system

Select a DI-500 portable unit with a carrying case and latching lid, a DI-750/760 desktop unit with or without a 19-in rack mount adapter, and your required mix of signal conditioned or high-level input channels.



2 Install amplifiers

Select from our wide range of fully isolated signal conditioning modules (see pages 6-7 for details). Install your choices directly into the DI-500 Series mainframe, then accurately measure virtually any industrial signal with complete safety.



3 Connect your computer

Just a single cable connects your DI-500 Series instrument to the printer (parallel) port of any size portable computer.

4 Connect power

Use our provided AC adapter, or connect the unit to any 9 to 36VDC source (including a car battery). Flexible power requirements allow DI-500 Series instruments to travel anywhere you do.





Data Acquisition and Signal Conditioning in One Package

5 Connect your signals

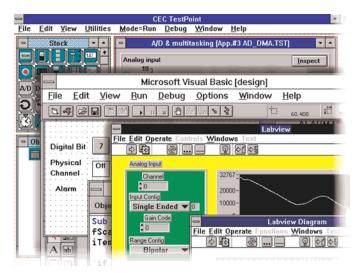
DI-500 Portable units allow dual-access signal connections using sheathed banana connectors, or screw terminals for bare wires such as thermocouples. DI-750/760 Desktop and rack-mounted units support screw terminal access.





You can program...

Is your application unique? Do you need to program the hardware yourself? Use our Windows Dynamic Link Library (DLL) and DOS libraries with any popular programming language or request our free LabVIEW or TestPoint drivers.



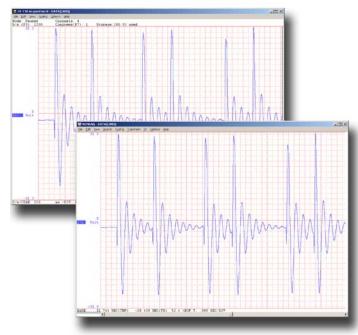
6 Switch-on

Our simplified control panel has only one switch that turns power on or off. Everything else is controlled by the computer. A green "Power" lamp glows when power is applied. A red "Active" lamp glows whenever data acquisition is in progress.



8 ...Or not

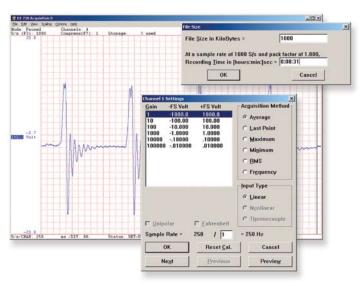
Maybe you want to load ready-to-run software and just start taking data. Our WINDAQ software fits this requirement. Without writing a single programming line, WINDAQ allows you to acquire, display, record, playback, and analyze data with more flexibility and speed than you've ever seen on a PC. Read more about it on pages 4 and 5.



WINDAQ Recording Software

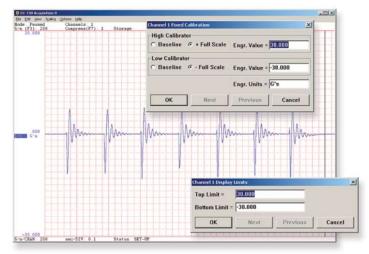
Setup

Double-click and enter the channels you want to acquire into the WINDAQ scan list. Click to select gain, signal averaging, true RMS, frequency, and peak or valley detection per channel. Click to define a single to 32-channel display — either triggered sweep (oscilloscope-like) or scrolling (chart recorder-like). Click again to define a sample rate ranging from less than one to 250,000 per second. With WINDAQ/Pro+ you can even define different sample rates on a per channel basis.



Calibrate

Define calibration per channel to display waveform values in meaningful units such as psi, °F or °C, amps, rpm, watts, horsepower — any unit of measure you need.

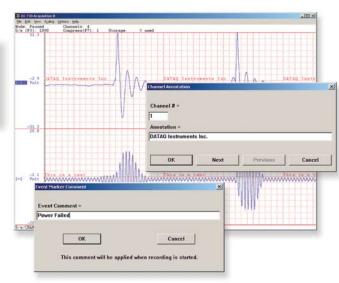


Record

Choose a continuous waveform recording mode or the triggered mode with selectable trigger level, slope, and pre- and post-trigger times. WINDAQ automatically time- and date-stamps, then streams acquired data to disk — record as much data as you need. At the same time, WINDAQ supplies a real-time graphical display of any or all channels so you always know where you are and where you're going.

Annotaate

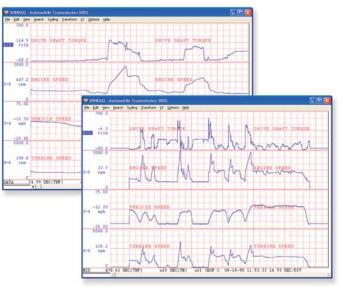
Of course, you can label any channel with text that describes it — "Motor 1," "Engine speed," "Vertical position," etc. But WINDAQ also allows you to supply commented event markers while you record — "Beginning test phase 1," "Small vibrations noticed," "Starting cool-down cycle," etc. Your comments and our acquired data combine to form a complete diary of your data acquisition session.



WINDAQ Playback Software

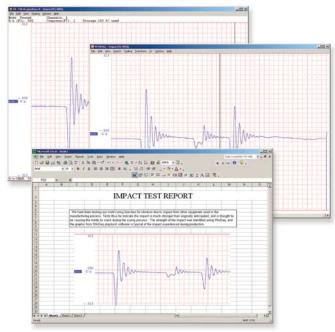
Playback

playback software allows you to graphically manipulate waveforms in ways you've never seen on a PC. Compress an entire recording to one screen-width for a bird's eye view, then expand around an area of interest for a closer look. Use the cursor to measure amplitudes and timing with precision. Move to any event marker with the click of a mouse button.



Multitask

Recording is only half the solution. WINDAQ's Waveform Browser Double your productivity and let WINDAQ record while you review last week's results from your spreadsheet, or compose a memo with your word processor. You can even play back data already stored to disk while you're still recording.

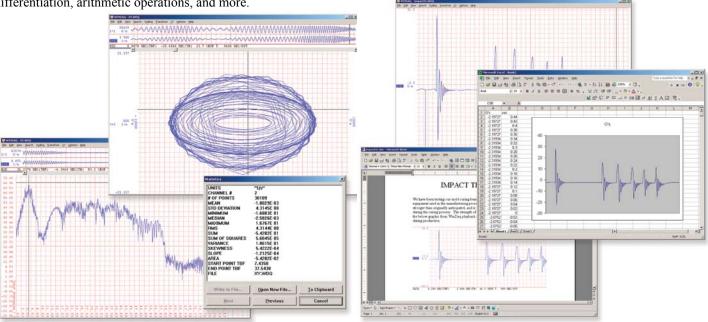


Analyze

Waveform interpretation is easy with our built-in analysis functions. Apply frequency and filtering analysis with the WINDAQ Waveform Browser FFT and DFT functions. Analyze any range of waveform data with the statistics function. Use X-Y plotting to examine the relationship of one channel to another. Extended analysis functions allow waveform peak detection, integration, differentiation, arithmetic operations, and more.

Export

The WINDAQ Waveform Browser can export any range of data to your spreadsheet, or any other analysis or presentation package you use. You can even copy a graphical image displayed by the WINDAQ Waveform Browser and paste it directly into a word processing document. Finally, export any range of waveform graphics to your printer for a hard copy record.



Signal Conditioning Module Selection Guide

Each DI-5B module is a single channel, isolated analog input that interfaces to all types • Installed in the DI-75B, these modules interface of sensors. The modules filter, isolate, amplify, and convert input signals to a high-level analog signal suitable for A/D conversion. Over 80 modules address the full spectrum of industrial measurements.

Key Features

- virtually any industrial signal to DI-700, DI-720, or DI-730 Series Instruments.
- · Convenient, flexible, mix-and-match approach.
- · Full isolation reduces noise and protects you and your equipment from large, common mode voltages.

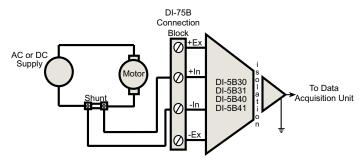
Common Specifications

- · 1000V isolation (if requirements exceed 600V contact DATAQ Instruments)
- · 240 VAC input protection
- · 160db common mode rejection
- · -40°C to +85°C operating temperature range
- Small size: 2.28" × 2.26" × 0.60" (58mm × 57mm × 15mm)

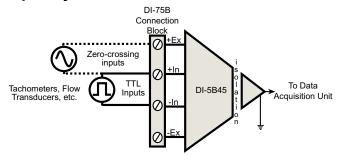
industrial measurei	ilable. 57mm × 15mm)										
Analog Vol	Modules (4Hz	dules (4Hz or 10kHz BW)			d True RMS Input Modules (20kHz BV			Hz BW)			
Narrow Band				dth (10kHz)	MODEL NO.	Inp	out Range			Input Range	
MODEL NO.	Input Rang	ge MODEL I	NO.	Input Range	DI-5B33-01	10	00mVFS	DI-5B33-	-04	150VFS	
DI-5B30-01	±10mV	DI-5B40-	-01	±10mV	DI-5B33-02		1VFS	DI-5B33-	-05	300VFS	
DI-5B30-02	±50mV	DI-5B40-	-02	±50mV	DI-5B33-03		10VFS				
DI-5B30-03	±100mV	DI-5B40-	-03	±100mV	Linea	arized	RTD Inpu	ut Modules (4Hz BW)		BW)	
DI-5B31-01	±1V	DI-5B41-		±1V	MODEL NO.		Туре	Input Range		<u> </u>	
DI-5B31-02	±5V	DI-5B41-	-02	±5V			For 2- or 3-	1 0			
DI-5B31-03	±10V	DI-5B41-		±10V	DI-5B34-01	10	00Ω Pt	-100°C to +1	.00°C (-	148°F to +212°F)	
DI-5B31-07	±20V	DI-5B41-	_	±20V	DI-5B34-02	10	00Ω Pt	0°C to +10	0°C (+3	32°F to +212°F)	
DI-5B31-09	±40V	DI-5B41-		±40V	DI-5B34-03	10	00Ω Pt	0°C to +20	00°С (+3	32°F to +392°F)	
DC Transduc	cer Input M	odules with +	10VD(C Excitation	DI-5B34-04		00Ω Pt	0°C to +60	0°C (+3	2°F to +1112°F)	
MODEL NO.	Input Rang	ge MODEL I	NO.	Input Range	DI-5B34C-01	10Ω	Cu @ 0°C	0°C to +12	20°C (+3	32°F to +248°F)	
DI-5B43-01	±1V	DI-5B43-	-06	±6V	DI-5B34C-02	10Ω (Cu @ 25°C	0°C to +120°C (+32°F to +248°F)			
DI-5B43-02	±2V	DI-5B43-	-07	±7V	DI-5B34C-03	10Ω	Cu @ 0°C			0°C (+32°F to +320°F)	
DI-5B43-03	±3V	DI-5B43-	-08	±8V	DI-5B34N-01	12	120Ω Ni 0°C to +300°C (+32°F to +572°			32°F to +572°F)	
DI-5B43-04	±4V	DI-5B43-		±9V			For 4-W	ire RTDs			
DI-5B43-05	±5V	DI-5B43-		±10V	DI-5B35-01	10	00Ω Pt	-100°C to +1	.00°C (-	148°F to +212°F)	
		terface Modul	le (100	0Hz BW)	DI-5B35-02	10	00Ω Pt	0°C to +10	00°C (+3	32°F to +212°F)	
		nput Range		Excitation	DI-5B35-03	10	00Ω Pt			0°C (+32°F to +392°F)	
DI-5B42-01		4 to 20mA		20V at 4 to 20mA	DI-5B35-04	10	100Ω Pt 0° C to +600°		0°C (+32°F to +1112°F)		
Linearized	Thermoco	uple Input Mo	dules	(4Hz BW)	DI-5B35C-01		Cu @ 0°C			32°F to +248°F)	
MODEL NO.	Туре	In	iput Rai	nge	DI-5B35C-02		Cu @ 25°C			32°F to +248°F)	
DI-5B47J-01	J	0°C to +760°	°C (+32°	°F to +1400°F)	DI-5B35C-03		Cu @ 0°C			32°F to +320°F)	
DI-5B47J-02	J	-100°C to +300	0°C (+1∠	48°F to +572°F)	DI-5B35N-01		20Ω Ni			32°F to +572°F)	
DI-5B47J-03	J	0°C to +500°	°C (+32°	°E to +032°E)	Strain G	age l	nput Modi	iles (4Hz i	or 10k	Hz RW)	
		0 0 10 1200	C (132	1 10 1752 1)		490 .	<u> </u>	<u> </u>			
DI-5B47J-12	J			8°F to +1400°F)	MODEL NO.		Full Scal	e Input/Brid		Excitation	
DI-5B47J-12 DI-5B47K-04	K	-100°C to +760	0°C (-14		MODEL NO.		Full Scal	e Input/Brid kHz	ge	Excitation	
	K K	-100°C to +760 0°C to +1000° 0°C to +500°	°C (+32° °C (+32°	8°F to +1400°F) °F to +1832°F) °F to +932°F)	MODEL NO. DI-5B38-01	±	Full Scal 101 10mV/Full, (2	le Input/Brid kHz 3mV/V) 100 t	ge o 10ΚΩ	Excitation 3.333V	
DI-5B47K-04	K K K	-100°C to +760 0°C to +1000° 0°C to +500°	°C (+32° °C (+32°	8°F to +1400°F) °F to +1832°F)	MODEL NO. DI-5B38-01 DI-5B38-02	±	Full Scal 10l 10mV/Full, (2 30mV/Full, (2	kHz 3mV/V) 100 t 3mV/V) 300 t	ge o 10ΚΩ o 10ΚΩ	3.333V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14	K K K	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° 0°C to +1200°	0°C (-148°°C (+32°°C (+32°°C (-148°°C (-148°°C (+32°°C (+32°°°	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03	± ± ±	Full Scal 10h 10mV/Full, (2 30mV/Full, (2 10mV/Half, (2	le Input/Brid kHz 3mV/V) 100 t 3mV/V) 300 t 3mV/V) 100 t	ge o 10ΚΩ o 10ΚΩ o 10ΚΩ	3.333V 10.000V 2 3.333V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06	K K K K	-100°C to +7600 0°C to +1000° 0°C to +500° -100°C to +1350 0°C to +1200° -100°C to +400°	°C (-140°C (+32°°C (+32°°C (+32°°C (-144°°C (+32°°C (-144°°C (-144°C (8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04	± ± ± ±	Full Scal 10l 10mV/Full, (3 30mV/Full, (3 10mV/Half, (3 30mV/Half, (3	e Input/Brid kHz BmV/V) 100 t BmV/V) 300 t 3mV/V) 100 t 3mV/V) 300 t	ge o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ	3.333V 10.000V 2 3.333V 4 10.000V	
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DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10	K K K K K T T T E R S	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° -100°C to +1200° -100°C to +200° 0°C to +1000° +500°C to +1750° +500°C to +1750°	0°C (-144 °C (+32° °C (+32° 0°C (-144° °C (+32° 0°C (-144° °C (+32° °C (+32° 0°C (+932° 0°C (+932° 0°C (+932°	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F) °F to +392°F) °F to +1832°F) 32°F to +3182°F) 32°F to +3182°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07	±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±	Full Scal 10H 10mV/Full, (2:30mV/Full, (3:30mV/Half, (3:30mV/Half, (2:20mV/Full, (2:3.3mV/Full, (3:3.3mV/Full, (4:3.3mV/Full, (4:4.4m))	le Input/Brid kHz 3mV/V) 100 t 3mV/V) 300 t 3mV/V) 300 t 2mV/V) 300 t 10mV/V) 100 10mV/V) 300 Hz	ge 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ to 10ΚΩ to 10ΚΩ	Excitation 3.333V 10.000V 2.3.333V 10.000V 10.000V Ω 3.333V Ω 10.000V	
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DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10	K K K K K K T T T E R R S B N	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° -100°C to +1200° -100°C to +200° 0°C to +200° 0°C to +1750° +500°C to +1750° +500°C to +1800° -100°C to +1300°	0°C (-144) °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° °C (+32° 0°C (+32° 0°C (+920) 0°C (+930° 0°C (+930° 0°C (+930° 0°C (+930° 0°C (-144)	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F) °F to +392°F) °F to +1832°F) 32°F to +3182°F) 32°F to +3182°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32	± ± ± ± ± ± ± ± 3 ±1 ± ± 1	Full Scal 10ll 10mV/Full, (230mV/Full, (30mV/Half, (30mV/Half, (20mV/Full, (400mV/Full, (400mV/F	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t 2mV/V) 300 t 10mV/V) 300 Hz BmV/V) 100 t BmV/V) 300 t	ge o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ to 10ΚΩ to 10ΚΩ to 10ΚΩ o 10ΚΩ	Excitation 3.333V 10.000V 2.3.333V 10.000V 10.000V Ω 3.333V Ω 10.000V Ω 3.333V Ω 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47B-11 DI-5B47N-15	K K K T T E R S B N	-100°C to +7600 0°C to +1000° 0°C to +500° -100°C to +1350° -100°C to +1200° -100°C to +200° 0°C to +200° 0°C to +1000° +500°C to +1750° +500°C to +1800° -100°C to +1300° y Input Modu	0°C (-14) °C (+32° °C (+32° 0°C (-14) °C (-32° 0°C (-14) °C (+32° 0°C (-32° 0°C (+32° 0°C (+92) 0°C (+92) 0°C (+93) 0°C (+93) 0°C (-14)	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	Full Scal 10mV/Full, (2 30mV/Full, (3 10mV/Half, (3 30mV/Half, (2 20mV/Full, (4 3.3mV/Full, (4 00mV/Full, (4 10mV/Full, (4 3.3mV/Full, (4 10mV/Full, (4 10mV/Full, (4 10mV/Full, (4 10mV/Half, (4 10mV	te Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 100 t BmV/V) 300 t 3mV/V) 100 t 3mV/V) 100 t 3mV/V) 300 t	ge 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ	Excitation 3.333V 10.000V 2.3.333V 10.000V Ω 3.333V Ω 10.000V Ω 3.333V Ω 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47B-11 DI-5B47N-15	K K K K T T E R S B N Frequence	-100°C to +7600 0°C to +5000 -100°C to +1350 0°C to +12000 -100°C to +400 0°C to +2000 0°C to +10000 +500°C to +1750 +500°C to +1800 -100°C to +1300 y Input Modu	0°C (-14) °C (+32° °C (+32° 0°C (-14) °C (-14) °C (-14) °C (-14) °C (-14) °C (+32° °C (+32° 0°C (+92) 0°C (+92) 0°C (+93) 0°C (-14) lles	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F) °F to +392°F) °F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F)	DI-5B38-02 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34	± ± ± ± ± ± ± 1 ± ± ± ± ± ± ± ± ± ± ± ±	Full Scal 10ll 10mV/Full, (2) 30mV/Full, (3) 10mV/Half, (2) 30mV/Full, (2) 3.3mV/Full, (4) 10mV/Full, (4) 10mV/Full, (2) 30mV/Full, (3) 30mV/Full, (3) 30mV/Full, (4) 30mV/Full, (4) 30mV/Half, (3)	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 100 10mV/V) 300 Hz BmV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t	ge 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 1 to 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ 0 10ΚΩ	Excitation 3.333V 10.000V 2.3.333V 10.000V 10.000V Ω 3.333V Ω 10.000V 10.000V 2.3.333V 2.10.000V 2.10.000V 2.10.000V 2.10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01	K K K K T T E R S B N Frequence	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° -100°C to +1200° -100°C to +200° 0°C to +1000° +500°C to +1750° +500°C to +1800° -100°C to +1300° y Input Moduliput Range 0 to 500Hz	0°C (-14) °C (+32° °C (+32° 0°C (-14) °C (-32° 0°C (-14) °C (+32° 0°C (-14) °C (+92° 0°C (+92) 0°C (+92) 0°C (-14) lles	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F) °F to +392°F) °F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) Excitation 1V @ 8mA max	DI-5B38-02 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	Full Scal 10mV/Full, (2 30mV/Full, (2 10mV/Half, (3 30mV/Half, (2 20mV/Full, (2 3.3mV/Full, (4 00mV/Full, (2 30mV/Full, (3 30mV/Full, (3 30mV/Full, (3 30mV/Full, (2 20mV/Full, (3 30mV/Half, (2 20mV/Full, (3	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t	ge 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10Κ	Secretation 3.333V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02	K K K K T T T E R S B N Frequence	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350 0°C to +1200° -100°C to +400 0°C to +200° 0°C to +1000° +500°C to +1750° +500°C to +1800° -100°C to +1300° cy Input Modumput Range 0 to 500Hz 0 to 1kHz	0°C (-144) °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° 0°C (+32° 0°C (+92) 0°C (+92) 0°C (+93) 0°C (+93) 10°C	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +2372°F) Excitation 1V @ 8mA max 1V @ 8mA max	DI-5B38-02 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36	±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±	Full Scal 10mV/Full, (2 30mV/Full, (2 30mV/Half, (3 30mV/Half, (2 20mV/Full, (2 3.3mV/Full, (4 00mV/Full, (2 30mV/Full, (3 30mV/Full, (3 30mV/Full, (3 30mV/Full, (2 30mV/Full, (3 30mV/Full, (3 30mV/Full, (3 3.3mV/Full, (3 3.3mV/Full, (4 3.3mV/Ful	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t	ge 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10Κ	Secretation 3.333V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47B-11 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03	K K K K T T T E R S B N Frequence	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° 0°C to +1200° -100°C to +400° 0°C to +200° 0°C to +1750° +500°C to +1750° +500°C to +1800° -100°C to +1300° cy Input Modumput Range 0 to 500Hz 0 to 1kHz 0 to 3kHz	0°C (-144) °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° 0°C (-492) 0°C (+92) 0°C (+932)	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +2372°F) Excitation 1V @ 8mA max 1V @ 8mA max 1V @ 8mA max	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37	±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±±	Full Scal 10H 10mV/Full, (230mV/Full, (330mV/Full, (20mV/Full, (20mV/Full, (20mV/Full, (20mV/Full, (20mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (20mV/Full, (20mV/Full, (200mV/Full,	le Input/Brid kHz BmV/V) 100 tb BmV/V) 300 tb BmV/V) 300 tb BmV/V) 300 tb 10mV/V) 100 Hz BmV/V) 300 tb BmV/V) 300 tb	ge 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10Κ	Excitation 3.333V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-11 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03 DI-5B45-04	K K K K T T E R S B N Frequence	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° 0°C to +1200° -100°C to +400° 0°C to +200° 0°C to +1750° +500°C to +1750° +500°C to +1800° -100°C to +1300° cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 3kHz 0 to 5kHz	0°C (-144) °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° 0°C (-149) 0°C (+932° 0°C (+932° 0°C (+932° 10°C (+932°) 10°C (+932°) 10°C (+932° 10°C (+932°) 10°C (+932°) 10°C (+932° 10°C (+932°) 10°C (+932° 10°C (+932°) 10°C (+932°) 10°C (+932° 10°C (+932°) 10°C (+932°) 10°C (+932° 10°C (+932°) 10°C (+932	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2272°F) 48°F to +2372°F)	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37 Anal	± ± ± ± ±3 ±1 ± ± ± 0	Full Scal 10mV/Full, (230mV/Full, (210mV/Full, (220mV/Full, (233mV/Full, (233mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (233mV/Full, (233mV/Full, (20mV/Full, (233mV/Full, (20mV/Full, (23mV/Full, (2mv/Full, (2mv/Fu	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 2mV/V) 300 t 3mV/V) 300 t 10mV/V) 300 t 10mV/V) 300 t 10mV/V) 300 t 10mV/V) 300 t	ge 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ 10ΚΩ	Excitation 3.333V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03 DI-5B45-04 DI-5B45-05	K K K K T T E R S B N Frequence	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° 0°C to +1200° -100°C to +400° 0°C to +200° 0°C to +1750° +500°C to +1750° +500°C to +1300° cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 5kHz 0 to 10kHz	0°C (-144) °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° 0°C (-149) 0°C (+92) 0°C (+92) 0°C (+93) 10°C (+93) 10	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +380°F to	DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37 Anal	± ± ± ± ±3. ±1 ± ± ± ± 0	Full Scal 10mV/Full, (2 30mV/Full, (2 10mV/Half, (3 30mV/Full, (2 20mV/Full, (2 3.3mV/Full, (4 10mV/Full, (2 30mV/Full, (3 30mV/Full, (3 30mV/Full, (3 30mV/Full, (3 30mV/Full, (4 20mV/Full, (4 3.3mV/Full, (4 20mV/Full, (4 3.3mV/Full, (4 3.3mV/Ful	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t BmV/V) 300 t	o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ to 10ΚΩ to 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ o 10ΚΩ to 10ΚΩ to 10ΚΩ (10ΚΩ to 10ΚΩ (4Hz)	Secitation 3.333V 10.000V 1	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03 DI-5B45-04 DI-5B45-05 DI-5B45-06	K K K K T T E R S B N Frequence	-100°C to +760 0°C to +760 0°C to +500° -100°C to +1350 0°C to +1200° -100°C to +400 0°C to +200° 0°C to +1000° +500°C to +1750 +500°C to +1800 -100°C to +1300° cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 3kHz 0 to 5kHz 0 to 10kHz	0°C (-14) °C (+32° °C (+32° °C (+32° 0°C (-14) °C (+9) 0°C (+9) 0°C (+9) 0°C (-14) les +5.1 +5.1 +5.1 +5.1 +5.1	8°F to +1400°F) °F to +1832°F) °F to +932°F) 48°F to +2462°F) °F to +2192°F) 48°F to +752°F) °F to +392°F) °F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +3482°F) 48°	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-37 Anal MODEL NO. DI-5B32-01	### ### ##############################	Full Scal 10ll 10mV/Full, (230mV/Full, (230mV/Full, (220mV/Full, (233mV/Full, (20mV/Full, (233mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (233mV/Full, (230mV/Full, (233mV/Full, (233mV	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 2mV/V) 300 t 10mV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 2 3.333V 10.000V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03 DI-5B45-04 DI-5B45-06 DI-5B45-07	K K K K T T E R S B N Frequence	-100°C to +7600 0°C to +7600 0°C to +5000 -100°C to +1350 0°C to +12000 -100°C to +4000 0°C to +2000 0°C to +10000 +500°C to +1750 +500°C to +1800 -100°C to +1300 cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 3kHz 0 to 5kHz 0 to 25kHz 0 to 50kHz	0°C (-14) °C (+32° °C (+32° °C (+32° 0°C (-14) °C (+9) 0°C (+9) 0°C (-9) 0°C (-14) les +5.1 +5.1 +5.1 +5.1 +5.1 +5.1	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +382°F) 48°F to +888°F to +88	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-37 Anal MODEL NO. DI-5B32-01	### ### ##############################	Full Scal 10ll 10mV/Full, (230mV/Full, (230mV/Full, (220mV/Full, (233mV/Full, (20mV/Full, (233mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (230mV/Full, (233mV/Full, (230mV/Full, (233mV/Full, (233mV	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t BmV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 2 3.333V 10.000V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-11 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-03 DI-5B45-04 DI-5B45-05 DI-5B45-07 DI-5B45-07	K K K K T T E R S B N Frequence	-100°C to +7600 0°C to +7600 0°C to +5000 -100°C to +1350 0°C to +12000 -100°C to +4000 0°C to +2000 0°C to +10000 +500°C to +1750 +500°C to +1800 -100°C to +1300 cy Input Modu nput Range 0 to 500Hz 0 to 11kHz 0 to 3kHz 0 to 5kHz 0 to 50kHz 0 to 50kHz 0 to 50kHz 1 to 100kHz	0°C (-14) °C (+32° °C (+32° °C (+32° 0°C (-14) °C (-14) °	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +2372°F) 48°F to +382°F) 48°F to +888°F to +8	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-37 Anal MODEL NO. DI-5B32-01	### ##################################	Full Scal 10mV/Full, (2 30mV/Full, (2 10mV/Half, (2 30mV/Full, (2 20mV/Full, (2 3.3mV/Full, (3	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 2mV/V) 300 t 10mV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 2 3.333V 10.000V 10.000V	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-03 DI-5B45-04 DI-5B45-05 DI-5B45-07 DI-5B45-08 ICF	K K K K T T E R S B N Frequence II	-100°C to +760 0°C to +1000° 0°C to +1000° -100°C to +1350 0°C to +1200° -100°C to +200° 0°C to +200° +500°C to +1750 +500°C to +1750 +500°C to +1800 -100°C to +1300 cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 1kHz 0 to 5kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz	0°C (-144°C (+32°°C (+32°°C (+32°°C (+32°°C (+32°°C (-144°°C (-142°°C (-142°°C (+32°°C (+32°°C (+92°°C (+92°°C (+92°°C (+92°C (+	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) Excitation 1V @ 8mA max	DI-5B38-01 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37 Anal MODEL NO. DI-5B32-01	### ##################################	Full Scal 10mV/Full, (2 30mV/Full, (2 10mV/Half, (2 30mV/Full, (2 20mV/Full, (2 3.3mV/Full, (3 3.3mV/Full, (3 3.3mV/Full, (3 3.3mV/Full, (4	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t 10mV/V) 300 Hz BmV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 3mV/V) 300 t 10mV/V) 300 t 10mV/V) 300 t 10mV/V) 300 t 2mV/V) 300 t 10mV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 2.3.333V 10.000V 2.3.333V 2.10.000V 2.3.333V 2.10.000V 2.3.333V 2.10.000V 2.3.333V 2.10.000V 2.	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47S-10 DI-5B47S-11 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-02 DI-5B45-04 DI-5B45-05 DI-5B45-06 DI-5B45-07 DI-5B45-08 ICF MODEL NO.	K K K K K T T E R S B N Frequence In	-100°C to +760 0°C to +1000° 0°C to +500° -100°C to +1350° 0°C to +1200° -100°C to +400° 0°C to +200° 0°C to +1750° +500°C to +1750° +500°C to +1800° -100°C to +1300° cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 3kHz 0 to 10kHz 0 to 50kHz 0 to 50kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz 0 to 60kHz 0 to 60kHz 0 to 10kHz	0°C (-144°C (+32°°C (+32°°C (+32°°C (+32°°C (+32°°C (-144°°C (-142°°C (-142°°C (+32°°C (+32°°C (+92°°C (+92°°C (+92°°C (+92°C (+	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) 48°F to +2272°F) 48°F to +2272°F) 48°F to +2372°F) 48°F to +388°F to	DI-5B38-02 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37 Anal MODEL NO. DI-5B36-01 DI-5B36-02	± ± ± ± ± ± ± ± ± ± ± ± ± ± 1 og Cu Ing 4 4 ention).	Full Scal 10mV/Full, (2 30mV/Full, (2 10mV/Half, (2 30mV/Full, (2 20mV/Full, (2 3.3mV/Full, (2 00mV/Full, (2 3.3mV/Full, (2 00mV/Full, (2 3.0mV/Full, (2 3.0mV/Full, (2 3.0mV/Full, (2 3.0mV/Full, (2 00mV/Full, (2	le Input/Brid kHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t CmV/V) 300 t CmV/V) 300 t CmV/V) 300 t CmV/V) 300 t BmV/V) 100 t BmV/V) 300 t CmV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 1	
DI-5B47K-04 DI-5B47K-05 DI-5B47K-13 DI-5B47K-14 DI-5B47T-06 DI-5B47T-07 DI-5B47E-08 DI-5B47R-09 DI-5B47S-10 DI-5B47N-15 MODEL NO. DI-5B45-01 DI-5B45-03 DI-5B45-04 DI-5B45-05 DI-5B45-07 DI-5B45-08 ICF	K K K K K T T E R S B N Frequence II	-100°C to +760 0°C to +1000° 0°C to +1000° -100°C to +1350 0°C to +1200° -100°C to +200° 0°C to +200° +500°C to +1750 +500°C to +1750 +500°C to +1800 -100°C to +1300 cy Input Modu nput Range 0 to 500Hz 0 to 1kHz 0 to 1kHz 0 to 5kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz 0 to 50kHz 0 to 10kHz	0°C (-144) °C (+32° °C (+32° °C (+32° °C (+32° 0°C (-144) °C (+32° 0°C (-144) °C (+32° °C (+32° 0°C (+92) 0°C (+92) 0°C (+92) 0°C (+92) 10°C (+93) 10°C (+	8°F to +1400°F) °°F to +1832°F) °°F to +932°F) 48°F to +2462°F) °°F to +2192°F) 48°F to +752°F) °°F to +392°F) °°F to +1832°F) 32°F to +3182°F) 32°F to +3182°F) 32°F to +3272°F) Excitation 1V @ 8mA max	DI-5B38-02 DI-5B38-02 DI-5B38-03 DI-5B38-04 DI-5B38-05 DI-5B38-06 DI-5B38-07 DI-5B38-31 DI-5B38-32 DI-5B38-33 DI-5B38-34 DI-5B38-35 DI-5B38-36 DI-5B38-37 Anal MODEL NO. DI-5B32-01 Pote MODEL NO. DI-5B36-01	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	Full Scal 10mV/Full, (2 30mV/Full, (3 30mV/	de Input/Brid (cHz BmV/V) 100 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t BmV/V) 300 t DmV/V) 300 t DmV/V) 300 t BmV/V) 300 t	ge 10 10 KΩ 10 K	Secitation 3.333V 10.000V 1	

Signal Conditioning Module Applications

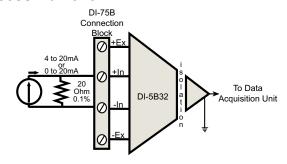
AC or DC Current Shunt:



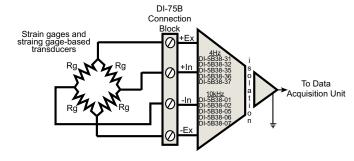
Frequency:



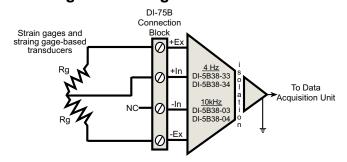
Process Current:



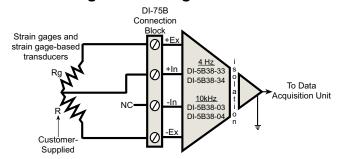
Full-Bridge Strain Gage:



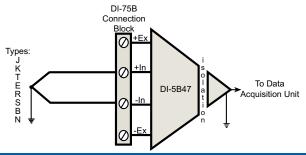
Half-Bridge Strain Gage:



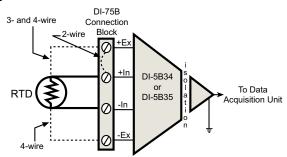
Quarter-Bridge Strain Gage:



Floating Grounded TC:



RTD:



	Specifi	cations					
	DI-500 Series and	l DI-750 Series	DI-510 Series and D	01-760 Series			
Function	A/D with parallel port interface						
Interface	Standard, Bi-directional, or EPP Parallel Port						
Analog Channels D	DI-500-16 and DI-750-16—16	signal conditioned channels	DI-510-32 and DI-760-32—32 si channels	gnal conditioned			
All Analog Inputs							
Analog Resolution	14-bit, 1 part in ±8192						
Sample Throughput Rate (kHz)	Standard Port—40; Bi-directional Port—80; EPP—250						
Gain Ranges	1, 2, 4, 8 (programmable per channel)						
High Level Analog Inputs							
Туре	Differential						
Measurement Range Full Scale		±10VFS @					
Common Mode Rejection		80db min (~				
Gain Accuracy Input Offset Voltage		<0.05 ±5 ADC 0					
Input Offset voltage Input Setting Time		4μs to 0.01%					
Input Setting Time Input Impedance		30 k Ω with power on; 2	-				
Signal Conditioned Analog Inputs		Defined by DI-					
Analog Outputs		Defined by D1	3D Modules				
Channels		2					
Resolution							
Output Range	12-bit ±10V						
Current Drive/Impedance	± 5 mA/0.3 Ω						
Digital I/O							
Capacity		8 each input a	and output				
Compatibility	TTL, 4.7KΩ pull-up in inputs						
Input Scan List	240 elements						
Output Scan List		16 elem	nents				
Triggering							
Pre-trigger length	64K samples						
Post-trigger length	64K samples						
Trigger channel		Any cha	nnnel				
Trigger level hysteresis	8-bit (256 counts)						
Power Requirements	700mA @ 12VDC typical, excluding DI-5B modules 1000mA @ 12VDC typical, excluding DI-5B modules						
Power Supply Voltage Range		9 to 36\	VDC				
Physical							
Dimensions	DI-500 Series: 19.5"W : DI-750 Series: 16.88"W	.5"D × 8.25"H 3.5"D × 16.7"H					
Weight	DI-500 Series: 12lbs. (exclu DI-750 Series: 6 lbs. (exclu	ng DI-5B modules) ng DI-5B modules)					
Operating Environment	0° to 70°C; 5% to 90% RH noncondensing						
Storage Environment	-55° to 150°C; 5% to 90% noncondensing						
	Orderin	g Guide					
Description	Order Number	Description		Order Number			
DI-500-16 Portable 16-channel instrument with one 16-channel DI-5B module backplane.	DI-500-16-P		16-channel instrument DI-5B module backplane.	DI-750-16-D			
DI-510-32 Portable 32-channel instrument with two 16-channel DI-5B module backplane.	DI-510-32-P		32-channel instrument I-5B module backplanes.	DI-760-32-D			
Data Acquisition Prod	duct Links		ΔΤΔΩ [®] 241.5	Springside Drive			

Data Acquisition Product Links

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