



EX1016A



EX1032A



EX1048A

Highlights

- High-density, compact (1U) precision data acquisition instruments
- LXI™ Class A LAN connectivity
- Fully integrated signal conditioning maximizes performance and accuracy
- Easily integrate thermocouples, voltages, RTDs, thermistors, frequency, strain and pressure on a per-channel basis
- Distributed, synchronized measurements over the wire
- Scalable architecture easily expands from tens to thousands of channels
- End-to-end self-calibration ensures optimum runtime performance
- Web-based access for monitoring and control
- DAC Express turnkey software for simplified setup, control and data display

EX1000 Series

EX1000A • EX1000A-TC • EX1016A
EX1032A • EX1048A • EX10SC

Accurate. Powerful. Easy to Use.

The EX1000 family of LXI™ Class A instruments are the most advanced, full-featured data acquisition solutions available on the market today. These scalable, standalone instruments provide superior measurement accuracy and repeatability thanks to fully integrated signal conditioning, advanced cold junction compensation (CJC), and end-to-end self-calibration.

The EX1000 family of data acquisition instruments addresses your most demanding distributed measurement applications in one easy-to-use package.

Flexible Channel Configuration

A wide range of transducer types, including pressure, strain, temperature, position and voltage, can be combined in this flexible solution. Each input incorporates an independent signal conditioning path with software selectable filters for maximum flexibility. Complete channel independence ensures data integrity regardless of sample speed or input overload conditions.

End-to-End Self-Calibration

Complete end-to-end self-calibration is provided for each signal path on a programmable basis. A highly accurate calibration source provides reference signals that are applied prior to analog filtering and gain circuits to compensate for drift, aging, or temperature variations. Self-calibration is simple and quick, and can be performed as often as desired.

Scalable for Synchronized High-Speed, High Channel Count

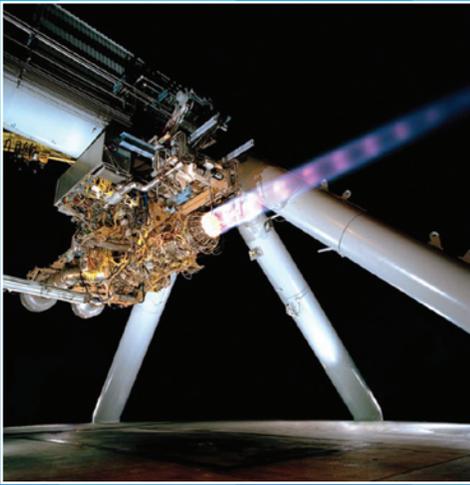
With LXI Class A-compliant features like a built-in Trigger Bus™ hardware trigger subsystem, the EX1000 family supports easy integration and synchronization of multiple devices including existing VXIbus instrumentation.

Open Transducer Detection

Each channel is configured with open transducer detection functionality, providing a continuous indication of the channel's status. Open transducer detection can be activated or deactivated on a per-channel basis. The detection mechanism is embedded in the signal conditioning circuitry and accurately provides an open circuit indication in the event of a broken or intermittent transducer. The open transducer detection applies a nominal bias current of +/- 7.5 nanoamps to each channel.

Cold Junction Compensation

The heart of any truly accurate thermocouple measurement system is the CJC implementation. These instruments combine multiple precision thermistors, a significant thermal mass, and careful parts placement to provide world-class measurement performance.



EX10SC Highlights

- 16-Channel capacity
- Mix and match transducer types on a per-channel basis
- Seamless integration with the EX1000A, EX1016A and EX1032A
- Simplified, reliable field terminations
- Turnkey DAC Express support
- 1500Vrms isolation (module)
- 300V isolation (input to chassis)
- Input protection to 240VAC continuous
- ANSI/IEEE C37.90.1 transient protection

EX1000 Series

Unmatched signal conditioning flexibility to meet your most demanding needs

The EX10SC modular signal conditioning platform expands measurement capabilities to address the most demanding industrial signal acquisition challenges. This extension of the EX1000 family is designed to ensure seamless integration and connectivity, with exceptional measurement flexibility. Signals from a wide variety of transducer types can be mixed and matched, on a per-channel basis, ensuring complete coverage from a single, high-performance measurement platform.

Isolation and Protection

A wide range of signal types are supported. Transducer types can be mixed and matched on an individual channel basis.

- Thermocouple
- RTD
- Thermistor
- Potentiometer
- Strain gage
- Pressure
- High-level voltage
- Frequency
- Current

Challenging measurement environments, such as areas with high levels of electrical noise or transient power surges, require unique protection capabilities. The EX10SC signal conditioning platform provides exceptional input protection and isolation across a wide range of operating conditions, protecting valuable instrumentation and ensuring measurement integrity.

Simply match the signal characteristics with the appropriate signal conditioning module, make connections with the easy-to-use termination access points, and start collecting data.

Simplified Installation, Setup and Control

Full LXI™ Class A compliance makes the EX1000 family of instruments ideal for distributed measurements throughout your facility by reducing cabling and installation expenses. Connect directly to your LAN network using industry standard Ethernet cable and connections.

An onboard, web-accessible user interface allows you to instantly verify communications and instrument functionality. IVI and VXI Plug and Play drivers provide a familiar application programming interface to further reduce integration and program development time.

DAC Express provides intuitive, programming-free instrument setup, data logging, and measurement display. This turn-key software solution provides out-of-the-box operation across the entire product family, resulting in faster time to test.

Precision, Scalable Measurement Instruments

LXI Class A Synchronization Technology

- Mini-T/C connectivity
- Open thermocouple indication
- 19", 1U configuration
- Power indication
- LAN/LXI status LEDs



EX1048A Front View

- Standard LAN connectivity
- Digital alarm outputs
- Precision hardware handshaking
- NIST field calibration capable



EX1048A Rear View

- Precision voltage and thermocouple
- D-sub connectivity for voltages
- Mini-T/C connectivity for thermocouples



EX1016A Front View

- Single cable access for up to 16 channels of independent signal conditioning inputs



- 16-channel signal conditioning chassis
- Individually configurable per channel
- 4-pin Molex connectors



EX10SC Front View

Model Selection

Model	Thermocouple Channels 0.667 mV max	Voltage Channels 10 V max	Connector Style	EX10SC Compatible
EX1000A	*	48	D-sub	Yes
EX1000A/TC	48	**	mini-TC	No
EX1016A	16	32	mini-TC / D-sub	Yes
EX1032A	32	16	mini-TC / D-sub	Yes
EX1048A	48	0	mini-TC	No

* Thermocouple measurements require external CJC signal

** All channels capable of Thermocouple or 10V max operation

EX1000A/16A/32A/48A/TC

Specifications

Channels	48 differential inputs
Channel Types	Thermocouple inputs: J, K, T, E, S, R, B, N (EX1000A/TC, EX1016A, EX1032A, EX1048A) Voltage inputs: mV, V (EX1000A/TC, EX1016A, EX1032A)
Sampling Rate	1000 Sa/sec/ch maximum
Temperature Resolution	0.1 °C
Temperature Accuracy	See Thermocouple Accuracy table on page 5
Temperature Noise, Peak-to-Peak	0.08 °C _{pp} typical (J, K, T, E)
Programmable Filters	
Bessel (2 pole)	4 Hz, 15 Hz, 40 Hz, 100 Hz, 500 Hz (-3 dB cutoff frequency)
Butterworth (1 pole)	1000 Hz (-3 dB cutoff frequency)
Voltage Input Range	±0.01 V, ±0.066V*, ±0.1 V, ±1.0 V, ±10.0 V (*Thermocouple Input Range)
Input voltage/frequency	90 V AC – 264 V AC*, 50 Hz/60 Hz (nominal AC)
Power	47 VA
*Note: fluctuations for main voltage to the power supply not exceeding 10% of the nominal voltage.	
Voltage Resolution	
±10.0 V	300 µV
±1.0 V	30 µV
±0.1 V	3.0 µV
±0.067 V	2.0 µV
±0.01 V	0.3 µV
Voltage Accuracy	
±10.0 V	±(0.025% + 500 µV) with self-cal, ±(0.05% + 1 mV) without self-cal
±1.0 V	±(0.025% + 50 µV) with self-cal, ±(0.05% + 100 µV) without self-cal
±0.1 V	±(0.025% + 10 µV) with self-cal, ±(0.05% + 20 µV) without self-cal
±0.067 V	±(0.025% + 10 µV) with self-cal, ±(0.05% + 20 µV) without self-cal
±0.01 V	±(0.050% + 10 µV) with self-cal, ±(0.10% + 20 µV) without self-cal
Voltage Offset Stability	
±10.0 V	±20 µV/°C typical
±1.0 V	±10 µV/°C typical
±0.1 V	±5 µV/°C typical
±0.067 V	±2 µV/°C typical
±0.01 V	±2 µV/°C typical
Voltage Gain Stability	
Voltage input channels (all ranges) and thermocouple input channels	±25 ppm/°C without self-cal (typical) ±5 ppm/°C with self-cal at any operating temperature (typical)
Input Impedance	40 MΩ differential
Input Bias Current	5 nA typical
Common Mode Input Range	±10 V
Common Mode Rejection Ratio (CMRR)	
4 Hz filter	DC: 100 dB minimum; (50/60) Hz: 140 dB typical, 120 dB minimum
1 kHz filter	DC: 100 dB minimum; (50/60) Hz: 100 dB typical, 80 dB minimum
Input Protection	±35 V
Network Connection	10/100 Base-T
Input Connector	Cu-Cu mini-TC Jack 50-pin D-sub (EX1000A, EX1016A, EX1032A)
Power Input	(90-264) V AC, (50/60) Hz, 25 VA maximum
Dimensions	1.75" H x 17.5" W x 13.6" D

LXI Specifications

LXI Class Compliance	LXI Class A
Clock Specifications	
Clock oscillator accuracy	±50 ppm
Synchronization accuracy	Reports “synchronized” when < ±200 µs of the 1588 master clock
Timestamp	
Accuracy	As good as time synchronization down to 50 ns
Resolution	25 ns
IEEE 1588-Based Trigger Timing	
Alarm	
Trigger time accuracy	As good as time synchronization down to 50 ns
Time to trigger delay	50 ns
Receive LAN[0-7] Event	
Trigger time accuracy	As good as time synchronization down to 50 ns
Time to trigger delay	
Future timestamp	50 ns typical
Past/zero timestamp	1 ms maximum
Hardware Trigger Timing	
LXI Trigger Bus	
Time to trigger delay	55 ns typical
DIO Bus	
Time to trigger delay	57 ns typical

Environmental Specifications

Temperature	
Operating	0 °C to +50 °C
Storage	-40 °C to +70 °C
Humidity	
	5% – 95% (non-condensing)
Altitude	
	Up to 3000 m
Shock and Vibration	
Random Vibration	10 Min per Axis, MIL-PRF-2880F Class 3
Sinusoidal	5 to 55Hz Resonance Search per MIL-PRF-2880F Class 3, each Axis
Shock	30g/Axis, 11mS half Sine pulse per MIL-PRF-2880F Class 3

Thermocouple Accuracy (Typical)

Values in °C

Type	Min	Max	-100	0	100	300	500	700	900	1100	1400
J	-200	1200	±0.25	±0.20	±0.20	±0.25	±0.30	±0.30	±0.35	±0.45	----
K	-200	1372	±0.25	±0.20	±0.20	±0.20	±0.35	±0.35	±0.45	±0.55	±0.50
T	-200	400	±0.25	±0.20	±0.20	±0.20	±0.25	----	----	----	----
E	-200	900	±0.25	±0.20	±0.20	±0.20	±0.25	±0.30	±0.35	----	----
S	-50	1768	----	±1.00	±0.75	±0.65	±0.65	±0.65	±0.70	±0.70	±0.75
R	-50	1768	±1.00	±0.75	±0.60	±0.60	±0.60	±0.60	±0.65	±0.70	----
B	250	1820	----	----	----	±1.65	±1.10	±0.80	±0.70	±0.65	±0.65
N	-200	1300	±0.40	±0.25	±0.25	±0.25	±0.30	±0.35	±0.40	±0.40	----

Conditions

- 60-minute warm-up
 - Guaranteed maximum limits are two times (2x) the typical values
 - 7 days, ±5 °C from last self-calibration
 - 20 °C to 30 °C, 1 year from full calibration
 - Exclusive of thermocouple errors
 - Exclusive of noise
 - Common mode voltage = 0
- Note for K type: 1400 accuracy is for 1372 °C
 Note for T type: 500 accuracy is for 400 °C

Signal Conditioning Module Specifications

EX10SC-8B32-02

0 to 20mA Input

Input Range	0mA to 20mA or 4mA to 20mA
Input Resistance	
Normal	<50Ω
Power Off	<50Ω
Input Protection	
Continuous	40VAC
Transient	ANSI/IEEE C37.90.1
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50Hz or 60Hz)	120dB
NMR	70dB at 60Hz
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±25ppm/°C
Gain	±50ppm/°C
Noise	
Output	100kHz 250μVrms
Bandwidth, -3dB	3Hz
Response Time, 90% Span	150ms

EX10SC-8B33-03

0 to 10V RMS

Frequency Range	45Hz to 1000Hz (Extended Range to 10kHz) Compatible with Standard Current and Potential Transformers
Accuracy	±0.25% Factory
Isolation	1500Vrms Transformer
Input Overload Protected	350Vrms Max (Peak AC & DC) or 2Arms Continuous
Transient Protection	ANSI/IEEE C37.90.1
CMR	120dB

EX10SC-8B34-04

2&3W 100 Ohm RTD (0 to 600 deg C)

Input Range Limits	
Input Range	0°C to +600°C (+32°F to +1112°F)
Accuracy	±0.45°C
Input Resistance	
Normal	50MΩ
Power Off	200kΩ
Overload	200kΩ
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
Sensor Excitation Current	0.25mA
Lead Resistance Effect	±0.02°C/Ω
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50 or 60Hz)	120dB
NMR	70dB at 60Hz
Accuracy	See Ordering Information
Stability	
Offset	±20ppm/°C
Gain	±50ppm/°C
Noise	
Output, 100kHz	200μVrms
Bandwidth, -3dB	3Hz
Response Time, 90% Span	150ms
RTD Standards	
100Ω Pt	
Alpha Coefficient	0.00385
DIN	DIN 43760
JIS	JIS C 1604-1989
IEC	IEC 751

EX10SC-8B35-04

4W 100 Ohm RTD (0 to 600 deg C)

Input Range Limits	-200°C to +850°C (100Ω Pt)
Input Resistance	
Normal	50MΩ
Power Off	200kΩ
Overload	200kΩ
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
Sensor Excitation Current	0.25mA
Lead Resistance Effect	±0.005°C/Ω
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50 or 60Hz)	120dB
NMR	70dB at 60Hz
Stability	
Offset	±20ppm/°C
Gain	±50ppm/°C
Noise	
Output, 100kHz	200μVrms
Bandwidth, -3dB	3Hz
Response Time, 90% Span	150ms
100Ω Pt	
Input Range	0°C to +600°C (+32°F to +1112°F)
Accuracy	±0.45°C
RTD Standards	
100Ω Pt	
Alpha Coefficient	0.00385
DIN	DIN 43760
JIS	JIS C 1604-1989
IEC	IEC 751

EX10SC-8B36-04

Potentiometer Input (0 to 10K Ohms)

Input Range	0 to 10kΩ
Input Resistance	
Normal	50MΩ
Power Off	200kΩ
Overload	200kΩ
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
Sensor Excitation Current	0.25mA; 100Ω, 500Ω, 1kΩ Sensor 0.10mA; 10kΩ Sensor
Lead Resistance Effect	±0.01Ω/Ω; 100Ω, 500Ω, 1kΩ Sensor, ±0.02Ω/Ω; 10kΩ Sensor
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50 or 60Hz)	120dB
NMR	70dB at 60Hz
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±20ppm/°C
Gain	±50ppm/°C
Noise	
Output, 100kHz	200μVrms
Bandwidth, -3dB	3Hz
Response Time, 90% Span	150ms

EX10SC-8B38-01

Full Bridge Strain (3.33V Excitation)

EX10SC-8B38-02

Full Bridge Strain (10V Excitation)

Input Range	±10mV to ±100mV
Input Bias Current	±0.5nA
Input Resistance	
Normal	50MΩ
Power Off	100kΩ
Overload	100kΩ
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
Excitation Output (-x1)	+3.333V ±2mV
Load Resistance	100Ω to 2kΩ
Excitation Output (-x2, -x5)	+10V ±5mV
Load Resistance	300Ω to 2kΩ
Excitation Load Regulation	15ppm/mA
Excitation Stability	50ppm/°C
Excitation Protection	120VAC
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50Hz or 60Hz)	100dB
NMR	100dB per decade above 8kHz
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±25ppm/°C
Gain	±100ppm/°C
Noise	
Output, 100kHz	1500μVrms
Bandwidth, -3dB	8kHz
Response Time, 90% Span	70μs
Model 01	
Bandwidth	8kHz
Input Range	-10mV to +10mV
Exc.	+3.333V
Sens.	3mV/V
Model 02	
Bandwidth	8kHz
Input Range	-30mV to +30mV
Exc.	+10.0V
Sens.	3mV/V

EX10SC

Signal Conditioning Module Specifications

EX10SC-8B41-01

+/-1V Input with 1KHz Bandwidth

EX10SC-8B41-03

+/-10V Input with 1KHz Bandwidth

EX10SC-8B41-07

+/-20V Input with 1KHz Bandwidth

EX10SC-8B41-09

+/-40V Input with 1KHz Bandwidth

EX10SC-8B41-12

+/-60V Input with 1KHz Bandwidth

Input Range	±1V to ±60V
Input Bias Current	±0.05nA
Input Resistance	
Normal	500kΩ (minimum)
Power Off	500kΩ (minimum)
Overload	500kΩ (minimum)
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50Hz or 60Hz)	100dB
NMR (-3dB at 1kHz)	100dB per decade above 1kHz
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±10ppm/°C
Gain	±75ppm/°C
Noise	
Output, 100kHz	500µVrms
Bandwidth, -3dB	1kHz
Response Time, 90% Span	550µs

EX10SC-8B42-01

2 Wire Transmitter Interface

Input Range	4mA to 20mA
Input Resistance	
Normal	35Ω
Power Off	35Ω
Input Protection	
Continuous	40VAC
Transient	ANSI/IEEE C37.90.1
Loop Supply Voltage	12VDC
Loop Supply Protection	40VAC
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50Hz or 60Hz)	100dB
NMR	60dB per decade above 100Hz
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±25ppm/°C
Gain	±75ppm/°C
Noise	
Output, 100kHz	500µVrms
Bandwidth, -3dB	100Hz
Response Time, 90% Span	5ms

EX10SC-8B45-02

Frequency Input (0 to 1KHz)

EX10SC-8B45-05

Frequency Input (0 to 10KHz)

EX10SC-8B45-08

Frequency Input (0 to 100KHz)

Input Range	0Hz to 100kHz
Input Threshold	Zero Crossing
Minimum Input	100mVp-p
Maximum Input	350Vp-p TTL, 170Vp-p Zero Crossing
Minimum Pulse Width	4µs
TTL Input Low	0.8V max
TTL Input High	2.4V min
Input Hysteresis	
Zero Crossing	±50mV
TTL	1.5V
Input Resistance	
Normal	68kΩ
Power Off	68kΩ
Overload	68kΩ
Input Protection	
Continuous	240Vrms max
Transient	ANSI/IEEE C37.90.1
+5V at 8mA max	
Excitation	
CMV, Input to Output	1500Vrms max
Continuous	ANSI/IEEE C37.90.1
Transient	ANSI/IEEE C37.90.1
CMR (50 or 60Hz)	100dB
Accuracy	±0.05% Span
Linearity	±0.02% Span
Stability	
Offset	±25ppm/°C
Gain	±100ppm/°C
Noise	
Output Ripple	<10mVp-p at Input >2% span
Response Time (0 to 90%)	
8B45-01, -02, -03	160ms, 80ms, 35ms
8B45-04, -05, -06	16ms, 8.5ms, 3.4ms
8B45-07, -08	1.6ms, 0.8ms

EX10SC-8B47J-12

Linearized TC Type J (-100 to 760° C)

EX10SC-8B47K-13

Linearized TC Type K (-100 to 1350° C)

EX10SC-8B47T-06

Linearized TC Type T (-100 to 400° C)

Input Range	-0.1V to +0.5V
Input Bias Current	-25nA
Input Resistance	
Normal	50MΩ
Power Off	200kΩ
Overload	200kΩ
Input Protection	
Continuous	240VAC
Transient	ANSI/IEEE C37.90.1
CMV, Input to Output	1500Vrms max
Transient, Input to Output	ANSI/IEEE C37.90.1
CMR (50Hz or 60Hz)	120dB
NMR	70dB at 60Hz
Stability	
Offset	±20ppm/°C
Gain	±75ppm/°C
Noise	
Output, 100kHz	250µVrms
Bandwidth, -3dB	3Hz
Response Time, 90% Span	150ms
Transient	ANSI/IEEE C37.90.1
Cold Junction Compensation	
Accuracy, 25°C	±0.5°C
Accuracy, -40°C to +85°C	±1.5°C
Open Input Response	Upscale
Open Input Detection Time	<10s
Model 12	
TC Type	J
Input Range	-100°C to +760°C (-148°F to +1400°F)
Accuracy	±0.24% ±2.10°C
Model 13	
TC Type	K
Input Range	-100°C to +1350°C (-148°F to +2462°F)
Accuracy	±0.24% ±3.60°C
Model 06	
TC Type	T
Input Range	-100°C to +400°C (-148°F to +752°F)
Accuracy	±0.48% ±2.40°C

EX1000 Series

Ordering Information

MODEL	TYPE
EX1000A	48-channel Precision Voltage Instrument
EX1000A-TC	48-channel Precision Thermocouple and Voltage Instrument
EX1016A	16-channel Precision Thermocouple Instrument 32-channel Precision Voltage Instrument
EX1032A	32-channel Precision Thermocouple Instrument 16-channel Precision Voltage Instrument
EX1048A	48-channel Precision Thermocouple Instrument
70-0355-900	Rack Mount Kit for EX10XXA Series
70-0355-902	Table Top Kit for EX10XXA Series
EX10SC	16-Channel Signal Conditioning Expansion Chassis (Modules sold separately. See below)
EX10SC-RK001	Rackmount slide rails

EX10SC MODULES

MODEL	TYPE	INPUT RANGE	OUTPUT RANGE
EX10SC-8B32-02	Current input	0 to 20mA	0 to +5V
EX10SC-8B33-03	RMS Voltage	0 to 10V	0 to +5V
EX10SC-8B34-04	2/3-Wire RTD (100Ω Pt)	0°C to +600°C (+32°F to +1112°F)	0 to +5V
EX10SC-8B35-04	4-Wire RTD (100Ω Pt)	0°C to +600°C (+32°F to +1112°F)	0 to +5V
EX10SC-8B36-04	Potentiometer	0 to 10kΩ	0 to +5V
EX10SC-8B38-01	Strain gage	±10mV (excitation +3.333V / sense 3mV/V)	±5V
EX10SC-8B38-02	Strain gage	±30mV (excitation +10.0V / sense 3mV/V)	±5V
EX10SC-8B41-01	Voltage input	±1V	±5V
EX10SC-8B41-03	Voltage input	±10V	±5V
EX10SC-8B41-07	Voltage input	±20V	±5V
EX10SC-8B41-09	Voltage input	±40V	±5V
EX10SC-8B41-12	Voltage input	±60V	±5V
EX10SC-8B42-01	2-wire Transmitter	4 to 20mA	0 to +5V
EX10SC-8B45-02	Frequency input	0 to 1kHz	0 to +5V
EX10SC-8B45-05	Frequency input	0 to 10kHz	0 to +5V
EX10SC-8B45-08	Frequency input	0 to 100kHz	0 to +5V
EX10SC-8B47J-12	J-thermocouple	-100°C to +760°C (-148°F to +1400°F)	0 to +5V
EX10SC-8B47K-13	K-thermocouple	-100°C to +1350°C (-148°F to +2462°F)	0 to +5V
EX10SC-8B47T-06	T-thermocouple	-100°C to +400°C (-148°F to +752°F)	0 to +5V

EX10SC CABLE ASSEMBLIES

MODEL	TYPE
EX10SC-CBL01	24" EX10SC to EX10xx interconnect cable