Conditioner cards for EDX series



●EDX-100A, EDX-200A, and EDX-5000A conditioner cards specifications

lite use a	^iviodels with output are available, inquires are welcome.		
Items	Strain	Voltage	
Channels	8 (Integrated connector)		
Input Modes	Balanced differential	Unbalanced	
Input Resistance	Approx. (10 + 10 MΩ) Approx. 1		
Coupling	DC/AC (DC cut)		
Applicable Gage Factor	2.00		
Bridge Excitation	2.00 VDC $\pm 2\%$ (120 to 1k Ω)		
Balance Adjustment	Resistance ±2.4% (±12000 μm/m)		
Measuring Range	500, 1 k, 2 k, 5 k, 10 k, 20 k, 50 k [μm/m], OFF	0.1, 0.2, 5, 1, 2 5, 10 V, OFF	
Range Accuracy	±0.2% FS, each range		
Calibration	±100%, ±50%, each range		
Nonlinearity	±0.1% FS		
Frequency Response	DC coupling: DC to 50 kHz, deviation: 1 to -3 dB AC coupling (DC cut): 0.2, 1 Hz to 50 kHz (See the HPF)		
LPF	Transfer characteristics: 2nd order Butterworth Cutoff frequencies: 8 steps of 10, 30, 100, 300, 1 k, 3 k, 10 k [Hz] and FLAT Amplitude ratio at cutoff point: -3±1dB Attenuation: (-12±1) dB/oct.		
Antialiasing LFP (CDV-40B-F only)	8th order Butterworth Cutoff frequencies: Automatically set at sampling frequencies: x 0.25 Attenuation: -48 dB±5 dB (At sampling frequency x 0.5, and LPF is set to AUTO)		
HPF (DC cut)	Cutoff frequencies: 0.2, 1 Hz Attenuation: -6 dB/oct.		
A/D converter	16 bits		
TEDS	Reads information from TEDS-instal	ed sensors	
	EN61326-1 (Class A)		

measurement. But the remote-sensing function will be ineffective.

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Strain/Voltage Me	asurement Isolation Card CDV-44AS	
Measurement car	d strong against common mode noise even in	
workplaces with po	wer machinery.	
Measuring Targets	Strain gages (Full-bridge system)	
	Strain-gage transducers, voltage	
Channels 4		
Input Resistance	Approx. 10 + 10 MΩ (Strain mode)	
	Approx. 1 MΩ (Voltage mode)	
Input Format	Balanced differential input (Strain mode)	
	Unbalanced input (Voltage mode)	
IMRR	120 dB (When 500 μm/m range)	
Gage Factor	2.00 fixed (Strain mode)	
Frequency Respons	se With DC coupling DC to 5 kHz,	
	deviation within +1 dB, -3 dB	
	DC cut (With AC coupling) 0.2 Hz	
	(See the HPF)	
Bridge Excitation	Within 2 VDC±2% (Strain mode)	
Range Accuracy	Within ±0.3%FS	
Applicable Bridge F	Resistance 120 to 1000 Ω (Strain mode)	
Measuring Range	500, 1 k, 2 k, 5 k, 10 k, 20 k μm/m strain,	
	and OFF (Strain mode)	
	1, 2, 5, 10, 20, 50 V, and OFF (Voltage mode)	
Balance Adjustmer	nt Range Within ±2.4% (±12000 μm/m)	
	(At strain measurement)	
	Within ±5 V (At voltage measurement)	
ZERO Accuracy	Within ±0.3% FS (Voltage OFF mode)	
Nonlinearity	Within ±0.1%FS	
Calibration Values	(CAL) Output at ±100% and ±50% of each range	
	Accuracy: Within ±0.3%FS	
Monitor Output	Accuracy: Within ±5 V±0.5% (±5 V to full scale of each range)	
LPF Transfer chara	cteristic: 2nd order Butterworth	
Cutoff frequer	ncy: 10, 30, 100, 300, 1 k, Hz and FLAT (6 steps)	
Amplitude rati	io: -3 ±1 dB (At cutoff point)	
Attenuation: (-	-12±1) dB/oct.	

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7	Cutott frequencies: 0.2 Hz
	Attenuation: Within (-6±1) dB/oct.
'D Converter	16 bits
DS	Reads information from TEDS-installed sensors
olation	Between input and case (Output)
	Between channels: Withstand voltage 500 VDC, 1 mir
tandard Accesso	ries
Voltage conve	ersion adapter for isolation amplifier (FV-2A ×4)
Intional Accesso	ries
Monitor outpu	$\frac{1}{1}$
Note: If the tran	asducer with a remote-sensing function a 4-conducto
extension cable	(N-81 (5 m) to N-85 (50 m)) enables measurement.
But the remote	-sensing function will be ineffective.
nstant Current	Amplifier Card CDA-44AS.45AS
easurement card	capable of handling cable extension
easuring Target	Strain gages (Full bridge system)
	Strain-gage transducers, voltage
annels 4	
put Resistance	Approx. 10 + 10 MΩ (Strain mode)
	Approx. 1 MΩ (Voltage mode)
put Format	Balanced differential input (Strain mode)
	Unbalanced input (Voltage mode)
IRR	120 dB (When 500 µm/m range)
equency Respor	Ise DC coupling: DC to 200 Hz.
	deviation within +1 dB3 dB
	DC cut (AC coupling): 0.2 Hz (See the HPF)
age Factor	2.00 fixed (Strain mode)
idge Excitation	
CDA-44AS:	Approx. DC 16.7 mA (Constant current) when gage
	resistance 120 Ω connected
	*If sensitivity or temperature resistance is in the
	transducer bridge excitation lines, then sensitivity
	and temperature characteristics are not corrected.
CDA-45AS:	Approx. DC 5.7 mA (Constant current) when gage
	resistance 350 Ω connected
	*If sensitivity or temperature resistance is in the
	transducer bridge excitation lines, then sensitivity
	and temperature characteristics are not corrected.
ble Length Wi	thin 500 m (0.5 mm ² cable)
inge Accuracy	Within ±0.3%FS
easuring Range	500, 1 k, 2 k, 5 k, 10 k, 20 k µm/m, OFF (Strain mode)
	1, 2, 5, 10, 20, 50 V, OFF (Voltage mode)
lance Adjustme	nt Within ±2.4% (±12000 μm/m)
	(At strain measurement)
	Within ±5 V (At voltage measurement)
RO Accuracy	Within ±0.3% FS (Voltage OFF mode)
onlinearity	Within ±0.1%FS
libration (CAL)	Output at ±100% and ±50% of each range
	Accuracy: Within ±0.3%FS
onitor Output	Accuracy: Within ±5 V ±0.5%
F	Transfer characteristic: 2nd order Butterworth
	Cutoff frequencies: 1, 3, 10, 30, 100 Hz and FLAT (6 steps)
	Amplitude ratio: -3 ± 1 dB (At cutoff point)
	Attenuation: (-12±1) dB/oct.
PF	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz
PF	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct.
PF /D Converter	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits
PF /D Converter DS	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors
PF /D Converter DS plation	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output)
PF /D Converter DS plation	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC
PF /D Converter DS blation	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min.
PF /D Converter DS blation	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min.
PF /D Converter DS blation tandard Accesso	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries
PF D Converter DS olation tandard Accesso Conversion ad	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries apter for isolation amplifier (FV-2A ×4)
DF D Converter DS olation tandard Accesso Conversion ad optional Accesso	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries apter for isolation amplifier (FV-2A ×4) ries
DF D Converter DS olation tandard Accesso Conversion ad Optional Accesso Monitor outpu	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries apter for isolation amplifier (FV-2A ×4) ies it cable U-64 (2 m)
DE DE DS Dation tandard Accesso Conversion ad Dptional Accesso Monitor outpu Note: If the tra	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries apter for isolation amplifier (FV-2A ×4) ries it cable U-64 (2 m) nsducer with a remote-sensing function, a
PF D Converter DS Dation tandard Accesso Conversion ad Optional Accesso Monitor outpu Note: If the tra 4-conductor e:	Attenuation: (-12±1) dB/oct. Cutoff frequencies: 0.2 Hz Attenuation: Within (-6±1) dB/oct. 16 bits Reads information from TEDS-installed sensors Between input and case (Output) Between channels: Withstand voltage 500 VDC, 1 min. ries apter for isolation amplifier (FV-2A ×4) ries it cable U-64 (2 m) nsducer with a remote-sensing function, a tension cable (N-81 (5 m) to N-85 (50 m)) enables

EDX-100A, EDX-10A, EDX	X-200A, and EDX-5 Voltage Balancel differential input*2*3 (1 + 1 MΩ) Within ±10%*5 Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less	OOOA8 Piezoelectric accelerometers (Built-in amplifier) Unbalanced input*4 Const. current output Approx. 4 mA Excitation voltage: Approx. 23 VDC Load: 1 kΩ or less
Strain gages *1 Strain-gage transducers Balanced differential input Const. voltage butput BV2V: 2 VDC BV5V: 5 VDC BV10V: 10 VDC 2.00 fixed BV2V: 120 to 1000 Ω BV5V: 530 to 1000 Ω BV5V: 530 to 1000 Ω BV5V: 530 to 1000 Ω Autobalance enabled] Cancel the unbalanced bridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge sortion (The initial unbalanced value in the bridge circuit can be confirmed)	Voltage Balanced differential input*2*3 (1 + 1 MQ) Within ±10%*5 Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less 	Piezoelectric accelerometers (Built-in amplifier) Unbalanced input*4 Const. current output: Approx. 4 mA Excitation voltage: Approx. 23 VDC Load: 1 kΩ or less
Strain-gages *1 Strain-gage transducers Balanced differential input Const. voltage butput BV2V: 2 VDC BV5V: 5 VDC BV10V: 10 VDC 2.00 fixed BV2V: 120 to 1000 Ω BV5V: 350 to 1000 Ω BV5V: 550 to 1000 Ω BV5V: 550 to 1000 Ω Autobalance enabled] Cancel the unbalanced oridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge sortion (The initial unbalanced value in the oridge circuit can be confirmed)	Voltage Balanced differential input*2*3 (1 + 1 MQ) Within ±10%*5 Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less	Plezoelectric accelerometers (Built-in amplifier) Unbalanced input*4 Const. current output: Approx. 4 mA Excitation voltage: Approx. 23 VDC Load: 1 kΩ or less
Balanced differential input Const. voltage putput BV2V: 2 VDC BV5V: 5 VDC BV10V: 10 VDC 2.00 fixed BV2V: 120 to 1000 Ω BV10V: 500 to 1000 Ω BV10V: 500 to 1000 Ω Autobalance enabled] Cancel the unbalanced pridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced value in the pridge circuit can be confirmed)	Balancel differential input ¹ 2 ¹³ (1 + 1 MΩ) Within ±10%*5 Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less 	Unbalanced input*4 Const. current output Approx.4 mA Excitation voltage: Approx.23 VDC Load: 1 kΩ or less
Const. voltage output BV2V: 2 VDC BV5V: 5 VDC BV10V: 10 VDC 2.00 fixed BV2V: 120 to 1000 Ω BV5V: 350 to 1000 Ω BV5V: 350 to 1000 Ω Autobalance enabled] Cancel the unbalanced pridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge sortion (The initial unbalanced value in the pridge circuit can be confirmed)	(1 + 1 MQ) Within ±10%*5 Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less [Zero suppression enabled] Cancel the input voltage in the analog circuit, and zero the measurement value [Zero suppression disabled]	Const. current output: Approx. 4 mA Excitation voltage: Approx. 23 VDC Load: 1 kΩ or less
Const. voltage output BV2V: 2 VDC BV5V: 5 VDC BV5V: 5 VDC BV10V: 10 VDC 2.00 fixed BV2V: 120 to 1000 Ω BV2V: 120 to 1000 Ω BV5V: 350 to 1000 Ω BV10V: 500 to 1000 Ω Autobalance enabled] Cancel the unbalanced oridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge portion (The initial unbalanced value in the oridge circuit can be confirmed)	Const. voltage output BV2V: 2 VDC (± 1 V) BV5V: 5 VDC (± 2.5 V) BV10V: 10 VDC (± 5 V) or OFF 20 mA/channels or less 	Const. current output: Approx.4 mA Excitation voltage: Approx.23 VDC Load: 1 kΩ or less
2.00 fixed BV2V: 120 to 1000 Ω BV5V: 350 to 1000 Ω BV10V: 500 to 1000 Ω Autobalance enabled] Cancel the unbalanced Cancel the unbalanced cancel go portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge portion (The initial unbalanced value in the pridge circuit can be confirmed)	[Zero suppression enabled] Cancel the input voltage in the analog circuit, and zero the measurement value [Zero suppression disabled]	
2V2V: 120 to 1000 Ω 2V2V: 350 to 1000 Ω 2V10V: 500 to 1000 Ω Autobalance enabled] Cancel the unbalanced oridge portion in the analog circuit, and zero the measurement value. Autobalance disabled] Do not cancel the unbalanced bridge portion (The initial unbalanced value in the oridge circuit can be confirmed)	[Zero suppression enabled] Cancel the input voltage in the analog circuit, and zero the measurement value [Zero supression disabled]	
Autobalance enabled] Cancel the unbalanced pridge portion in the analog circuit, and zero the measurement value. (Autobalance disabled] Do not cancel the unbalanced bridge portion (The initial unbalanced value in the pridge circuit can be confirmed)	[Zero suppression enabled] Cancel the input voltage in the analog circuit, and zero the measurement value [Zero suppression disabled]	
,	Do not cancel the input voltage in the analog circuit (Display the input voltage as is)	
8V2V: Resistance ±10% (±50 k µm/m) 8V5V: Resistance ±4% (±20 k µm/m) 8V10V: Resistance ±2% (±10 k µm/m)	±5 V	
3V2V: 5 k, 10 k, 20 k, 50 k, 100 k, 200 k, 500 k µm/m 3V5V: 5 k, 10 k, 20 k, 50 k, 100 k, 200 k µm/m 3V10V: 2 k, 5 k, 10 k, 20 k, 50 k, 100 k µm/m	1, 2, 5, 10, 20, and 50 V	100, 200, 500, 1000, 2000, and 5000 mV
Within ±0).2%FS	Within ±1.0%FS
Within ±0).1%FS	Within ±0.2%FS
±100% and ±50% of each range and SHUNT *7	±100% and ±50% (of each range
DC coupling: DC to 5 kHz, deviation +1dB, -3dB AC coupling: 0.2, 1 Hz to 5 kHz (See the HPF.)		0.5 Hz to 5 kHz Deviation +1dB, -3dB
Transmission characteristics: 5 Butterworth type Cutoff frequencies: 30, 100, 300, 1 k, 3 kHz, FLAT, and AUTO *8 Cutoff accuracy: within -3±1 dB Attenuation: (-30±3) dB /oct.		h type Iz, FLAT,
Cutoff frequencies: 0.2 Hz, 1 Hz Attenuation: -6dB / oct.		
24 bits *9		1% or less
Accuracy: Wi Nonlinearity:	thin ±5 V ±0.5% (W Within ±0.5%FS	"ith ±FS),
22 W×119 H×21	3 D mm (Excluding	protrusions)
A President for the	Approx. 400 g	
Keads Informatio	n from TEDS-installe	ea sensors
EINC	FN50581	
	boxes	ies unbalance
	f each range and HUNT *7 C coupling: DC to 5 1dB, -3dB C coupling: 0.2, 1 Hz IPF.) ransmission characte utoff frequencies: 30 nd AUTO *8 utoff accuracy: withi ttenuation: (-30±3) 0 utoff frequencies: 0. ttenuation: -6dB / o Accuracy: Wi Nonlinearity: 22 W × 119 H × 21 Keads informatic ENE	teach range and HUNT *7 Coupling: DC to 5 kHz, deviation 1dB, -3dB Coupling: 0.2, 1 Hz to 5 kHz (See the IPF.) ransmission characteristics: 5 Butterword tutoff frequencies: 30, 100, 300, 1 k, 3 kH nd AUTO *8 tutoff frequencies: 30, 100, 300, 1 k, 3 kH nd AUTO *8 tutoff frequencies: 0.2 Hz, 1 Hz tutenuation: -6dB / oct. 24 bits *9 Accuracy: Within ±5 V ±0.5% (W Nonlinearity: Within ±0.5%FS 22 W × 119 H × 213 D mm (Excluding Approx. 400 g Reads information from TEDS-installe EN613261 (Class A) EN50581 nent, using bridge boxes oversion Adapter FV-1A, this becom

prox. 257 µm/m output h AUTO settings, the cutoff frequency is set to 1/4 of the sampling quency en installed in EDX-100A, its resolution becomes 16 bits. Transducer with remote sensing use N-81 (5 m) to N-85 (50 m)

lard Accessories

ross recessed binding head screw M3x6

onal Accessories CCA input cable U-111 (1 m) CVM input cable U-121 (0.5 m), U-122 (1.0 m), U-123 (1.5 m) CVM input integrated cable N-121 (1.5 m) Integrated output cable U-62 (1.1 m)

Conversion adapter FV-1A Voltage input box VI-8A (-T) Bridge box for quarter bridge DBS-120B-8 (C) (T), DBS-350B-8 (C) (T) One-touch type bridge box DBV-120A-8 (C), DBV-350A-8 (C)

A SOLLIGE VYOYE LYDE	e card for measuring low	v level strain. It is isolated
between input and	output, and between cha	annels.
*1: With antialiasing	LPF *2: Low inverter noise	e type
Measuring Targets Channels 4	Strain gages, strain-gage	transducers
Frequency Respons	e DC to 5 kHz (Deviation	::±10%)
Carrier Wave Frequ	ency 12 kHz	
Applicable Bridge R	Resistance 120 to 1000 G	2
Bridge Excitation	xea 2 Vrms 0.5 Vrms switching	n 12 kHz sine wave
Balance Adjustmen	t Range	
Resistance: ±2.4%	(±12000 µm/m)	
Capacity: 2000 pF		
Balance Adjustmen	t Methods	
Capacity: CST met	bod (Automatic tracking)	ved in nonvolatile memory)
Measuring Range	With bridge excitation 2	/rms: 200, 500,
1 k, 2 k, 5 k, 10 k, 2	20 k μm/m and OFF - 8 ste	ps
With bridge excita	ation 0.5 V rms: 1 k, 2 k, 5 k	k, 10 k, 20 k, 50 k μm/m
and OFF – 7 steps	CALL Output at 1000/	
	CAL) Output at ±100% at ±100\% at ta ±100\% at ta \pm100\% at ta \pm10\%	and ±50% of each range
LPF Transfer charac	teristic: 2nd order Butterv	vorth
Cutoff frequence	cies: 10, 30, 100, 300, 1 k H	Hz and FLAT (6 steps)
Amplitude ratio	$2 - 3 \pm 1 dB$ (At cutoff poin	t)
Attenuation: (-1		
8th Butterworth th	//////////////////////////////////////	
Cutoff frequencies	s: Automatic setting at ×0	.25 sampling frequency
Attenuation: -48 ±	5 dB (When ×0.5 sampling	g frequency)
Note: Enabled wh	en "AUTO" set in DCS-100	OA LPF settings
Kesolution	To bits	side of the bridge
Check Functions	and check input	side of the bridge,
TEDS	Reads information from T	EDS-installed sensors
Monitor Output	Accuracy: Within $\pm 5 V \pm 0$.5% (At ±FS),
	Nonlinearity: Within 0.5%	5 FS
Withstand Voltage	Between input and outpu	ut: 250 VAC, 1 min.
EMC Directive	LN61276 1 (Cloce A)	
EMC Directive	EN61326-1 (Class A)	
EMC Directive	EN61326-1 (Class A)	e U-64 (2 m)
EMC Directive Optional Accessorie Note: If the transdu	EN61326-1 (Class A) es Monitor output cable cer with a remote-sensin	e U-64 (2 m) Ig function, a 4-conductor
Optional Accessorie Note: If the transdu extension cable (N-	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be juggfort	e U-64 (2 m) g function, a 4-conductor enables measurement. But
Deptional Accessorie Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive.
EMC Directive Optional Accessorie Note: If the transdu extension cable (N-i the remote-sensing Thermocouple Carc This card measures	S Monitor output cable S Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect I CTA-40A	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive.
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is	EN61326-1 (Class A) es Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect i CTA-40A temperatures using 2 f isolated between input	e U-64 (2 m) ig function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between
EMC Directive Optional Accessorie Note: If the transdu extension cable (N-i the remote-sensing Fhermocouple Carc This card measures (CA) and T (CC). It is channels.	EN61326-1 (Class A) Solution output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect I CTA-40A temperatures using 2 for isolated between input	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between
EMC Directive Optional Accessorie Note: If the transdu extension cable (N-i the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect I CTA-40A temperatures using 2 f is isolated between input Thermocouples of K, T	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 2	EN61326-1 (Class A) es Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect I CTA-40A temperatures using 2 f isolated between input Thermocouples of K, T	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A it temperatures using 2 f is isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF)
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A temperatures using 2 f isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1020 Ω or less (I)	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps
Optional Accessorie Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A temperatures using 2 f isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1020, K480, K240, T400, Range names	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Pange
EMC Directive Optional Accessorie Note: If the transdu extension cable (N-i the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A temperatures using 2 f isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rmout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect a CTA-40A a temperatures using 2 for a isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1020, K480, K240, T400, Range names K1230 K480 K480 K480 K480	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 230 °C
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range	EN61326-1 (Class A) ess Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A is temperatures using 2 f is isolated between input Thermocouples of K, T thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230 K480 K240 T400	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C
Optional Accessorie Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H	EN61326-1 (Class A) ess Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect i temperatures using 2 f isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect a transperatures using 2 \pm isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Si (\$1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1)	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H	EN61326-1 (Class A) s Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Gu (\$1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+2)	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 480 °C -200 to 240 °C -200 to 240 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C)
MC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures CA) and T (CC). It is thannels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL)	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect a transperatures using 2 t isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (K (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50%	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 480 °C -200 to 480 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Fhermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL)	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect 1 CTA-40A temperatures using 2 t isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Bu 1020 Ω or less (U (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Fhermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) (Frequency Response	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect 1 CTA-40A temperatures using 2 t isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (U (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range e DC to 10 Hz	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 480 °C -200 to 480 °C -200 to 240 °C -200 to 240 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) C Frequency Respons Resolution 16 bits Burnout	EN61326-1 (Class A) es Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect 1 CTA-40A temperatures using 2 t isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less ((1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range e DC to 10 Hz so	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 20 °C -200 to 210 °C °C (At ambient temp. 20±3°C) °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) C Frequency Respons Resolution 16 bits Burnout Built-ir Note:	EN61326-1 (Class A) as Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect a CTA-40A a CTA-40A a CTA-40A a temperatures using 2 f a isolated between input Thermocouples of K, T Stance 200 Ω or less (Bu 1000 Ω or less (Bu 1020 Ω or less (Bu 1000 Ω or less	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C -200 to 480 °C -200 to 240 °C -200 to 400 °C -200 to 210 °C °C (At ambient temp. 20±3°C) °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) C Frequency Respons Resolution 16 bits Burnout Built-ir Note:	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect d CTA-40A temperatures using 2 f isiolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I) (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range e DC to 10 Hz s: At burnout [Burnout dis function OFF to improve	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between mout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 240 °C -200 to 200 °C -200 to 200 °C (At ambient temp. 20±3°C) °C (At ambient temp. 0 to 40°C) and 0°C as absolute splay], with ON/OFF stance, turn the burnout accuracy
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) C Frequency Respons Resolution 16 bits Burnout Built-ir Note: Monitor Output A	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect 3 CTA-40A 4 CTA-40A 4 CTA-40A 5 CTA-40A 5 CTA-40A 5 CTA-40A 5 CTA-40A 5 CTA-40A 5 CTA-40A 5 CTA-40A 6 CTA-40A 7 CTA-50 7 CTA-50	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 480 °C -200 to 480 °C -200 to 400 °C -200 to 400 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C) and 0°C as absolute
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) (C Frequency Respons Resolution 16 bits Burnout Built-ir Note: Monitor Output A N	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect i temperatures using 2 f i siolated between input Thermocouples of K, T thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range e DC to 10 Hz s At burnout [Burnout dis If high thermocouple resi function OFF to improve ccuracy: Within 5 V ±0.5% onlinearity: Within ±0.5%	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 1230 °C -200 to 240 °C -200 to 480 °C -200 to 480 °C -200 to 210 °C °C (At ambient temp. 20±3°C) °C (At ambient temp. 0 to 40°C) and 0°C as absolute splay], with ON/OFF stance, turn the burnout accuracy 5 (At +FS) FS
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) (C Frequency Respons Resolution 16 bits Burnout Built-ir Note: Monitor Output A N Isolation Betwee	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect i temperatures using 2 f isolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Output at 100% and 50% value of each range e DC to 10 Hz s n: At burnout [Burnout dis function OFF to improve ccuracy: Within 5 V ±0.5% onlinearity: Within ±0.5% en input and output, and	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 1230 °C -200 to 480 °C -200 to 210 °C -200 to 210 °C °C (At ambient temp. 0 to 40°C) and 0°C as absolute splay], with ON/OFF stance, turn the burnout accuracy 5 (At +FS) FS between channels:
EMC Directive Optional Accessorie Note: If the transdu extension cable (N- the remote-sensing Thermocouple Carc This card measures (CA) and T (CC). It is channels. Measuring Targets Channels 8 Thermocouple Resi Measuring Range H General Accuracy Calibration (CAL) (C Frequency Respons Resolution 16 bits Burnout Built-ir Note: Monitor Output A N Isolation Betwee 50 MC EMC Directive 51	EN61326-1 (Class A) ss Monitor output cable cer with a remote-sensin 81 (5 m) to N-85 (50 m)) function will be ineffect i CTA-40A i temperatures using 2 1 i siolated between input Thermocouples of K, T stance 200 Ω or less (Bu 1000 Ω or less (Bu 1000 Ω or less (I (1230, K480, K240, T400, Range names K1230 K480 K240 T400 T210 Within ±(0.5% of reading+1) Within ±(0.5% of reading+2) Dutput at 100% and 50% value of each range e DC to 10 Hz sn: At burnout [Burnout dis function OFF to improve ccuracy: Within 5 V ±0.5% onlinearity: Within ±0.5% en input and output, and Q or more (500 VDC)	e U-64 (2 m) g function, a 4-conductor enables measurement. But ive. types of thermocouples K and output, and between rnout ON) Burnout OFF) T210 and OFF – 6 steps Measuring Range -200 to 1230 °C -200 to 240 °C -200 to 200 °C (At ambient temp. 0 to 40°C) and 0°C as absolute splay], with ON/OFF stance, turn the burnout accuracy 5 (At +FS) JFS between channels:

Optional Accessories Integrated output cable U-62 (1.1 m)

F/V Converter Card CFV-40A
This card measures the frequency of pules, and provide power supply
to the sensors. It is isolated between input and output.
Measuring Targets Alternating signal output sensors
Channels 4
Input Signals AC (Zero cross).
TTI level (Including open collector signals)
Input Voltage +(0.5 V to 50 V): High hysteresis
$+(0.1 \text{ V to 50 V}) \cdot 1 \text{ ow hysteresis}$
Measuring Bange 50 100 500 1 k 2 k 5 k 10 k 20 kHz and
Accuracy: Within +0.1%ES
Calibration (CAL) Output at 100% 50% (added)
Posponso Time Within 10 us (Continuous pulos input.)
within (2 cycles of input pules + 50 us)
(Input pulse are broken)
(Input pules are broken)
Resolution To Dits
Sensor Power supply 12 VDC: Within 10% (Each channel 50 mA or less)
Monitor Output Accuracy: Within 5 V ±0.5% (At +FS)
Nonlinearity: Within ±0.1%FS
Isolation Between input and output, and between channels:
50 MΩ or more (500 VDC)
Standard Accessories Conversion adapter FV-1A x4
Ortional Accessories Input cable II 12 (15 m)
Monitor output cable U-64 (2 m)
Charge Amplifier Card CCA 404 CCA 404 E
This card measures acceleration using piezoelectric accelerometers.
(Type with antialiasing LPF is CCA-40A-F).
Measuring largets Piezoelectric accelerometers
Applied Accelerometers Built-in amplifier (Voltage output) type
Channels 8
Power Supply to Sensors Constant current power (Current: 4 mA,
excitation voltage: Approx. 24 VDC,
load 1 kΩ or less)
Frequency Response 1 to 20 kHz (Deviation: +1dB, -3dB)
Measuring Range 20, 50, 100, 200, 500, 1000, 2000, 5000 mV
and OFF—9 steps
Accuracy: Within ±1%FS
Calibration DC CAL
±100% and ±50% of each range
Accuracy: Within ±0.2%FS
AC CAL
100% and 50% of each range
Accuracy: Within ±1%FS
Frequency accuracy: Within 100 Hz±5%
LPF Transfer characteristic: 2nd order Butterworth
Cutoff frequencies: 300, 1 k, 3 k, 10 k Hz and FLAT (5 steps)
Amplitude ratio: -3 ±1 dB (At cutoff point)
Attenuation: (-12±1) dB/oct.
Antialiasing LPF (Only applicable to CCA-40A-F)
8 Butterworth type
Cutoff frequencies: Automatic setting at $x0.25$ sampling frequency
Attenuation: -48+5dB (When x0.5 sampling frequency)
Distortion Factor 1% or less
Resolution 16 bits
Monitor Output Accuracy: Within $5 V + 1\%$ (At +ES)
TEDS Reads information from TEDS-installed sensors
ENG1226 1 (Class A)
Standard Accessories Input cable U-111 (1 m)
Optional Accessories
Integrated output cable U-62 (1.1 m),
Input cable U-109 (1 m)
Conversion adapter (BNC-miniature) BNCP-C25J-A
Conversion adapter (Miniature-Tajimi) CCA-1B
Conversion adapter (BNC-miniature) CCA-2B

Data Recorders/Analyzers

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MENTS
NSTRUN
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JEASU

CAN Card CAN-41A	A/D Converter Card	AD-40AS, AD-40AS-F
This card measures data frames on the Controller Area Network.	AD-40AS is an 8-cha	nnel voltage input card. (AD-40AS-F equipped
The dual input CAN-41A collects data frames for 2 systems of different	with antialiasing LPF	F is also available.)
communications systems as analog data at the same time.	Channels	8
CAN Board Numbers CAN-41A: 2 (2 nodes)	Input Range	±5 V, ±10 V and OFF
Connector Configuration D-sub 9 pin (male)	Input Modes	Unbalanced (Not balanced differential)
Supported CAN Version Bosch2.0B active support	Input Resistance	Approx. 1 MΩ
(ISO-11898 specifications-compliant)	Sampling Methods	All channels in sync
High-speed CAN/low-speed CAN switching	A/D Converter	Methods: Successive approximation
Measurement ID Numbers CAN-41A: Max. 32		Resolution: 16 bits (± 32000 counts/FS)
CAN Controller Operation Clock 40 MHz, 32 MHz		Accuracy: Within ±0.2%FS
Baud Rate With high-speed CAN	Nonlinearity	Within ±0.1%FS
1000, 800, 500, 250, 125, 100, 83.3, 62.5, 50, 33.3, 25, 20, and 10 kbps	Input Frequencies	Range: DC to 50 kHz
With low-speed CAN		Deviation: 1dB to -3dB
125, 100, 83.3, 62.5, 50, 33.3, 25, 20, and 10 kbps	LPF Transfer charact	teristic: 2nd order Butterworth
Communications Conditions Sample points, sampling frequency,	Cutoff frequenci	ies: 10, 30, 100, 300, 1 k, 3 k, 10 k Hz and FLAT (8 steps
resynchronization jump width selection.	Amplitude ratio	b:-3 ±1 dB (At cutoff point)
Measuring channel conditions	Attenuation: (-1	12 ±1) dB/oct.
Start bit, bit length, data type, Calibration coefficient	Antialiasing LPF (AI	D-40AS-F only)
(Conditions for conversion of extracting CAN data to physical quantity)	Transfer Character	istic: 8th order Butterworth
Graph display Simultaneous display of graph, numerical value, frame,	Cutoff frequencies	s: A quarter of sampling frequency (auto setting) *
and analog data	Attenuation: (-48 :	± 5) dB/oct.
Others Only one card is mounted in the last slot of the EDX.	*(Set LPF to [AUTC)])
When measuring CAN data, the sampling frequency	Power Supply to Se	nsors $\pm 2.5 V \pm 1\%$, each channel
is restricted to	TEDS Reads informa	ation from TEDS-installed sensors
EDX-5000A: 10 kHz	Outional Assessmine S	channal input cable: 11 127 (1 E m)
EDX-200A: 2048 Hz	Optional Accessories C	/oltage input box: //-84 with a cable N-121 (1.5 m)
EDX-100A: 1 kHz	,	
EMC Directive EN61326-1 (Class A)		