

AD-40AS, AD-40AS-F

AD Converter Cards

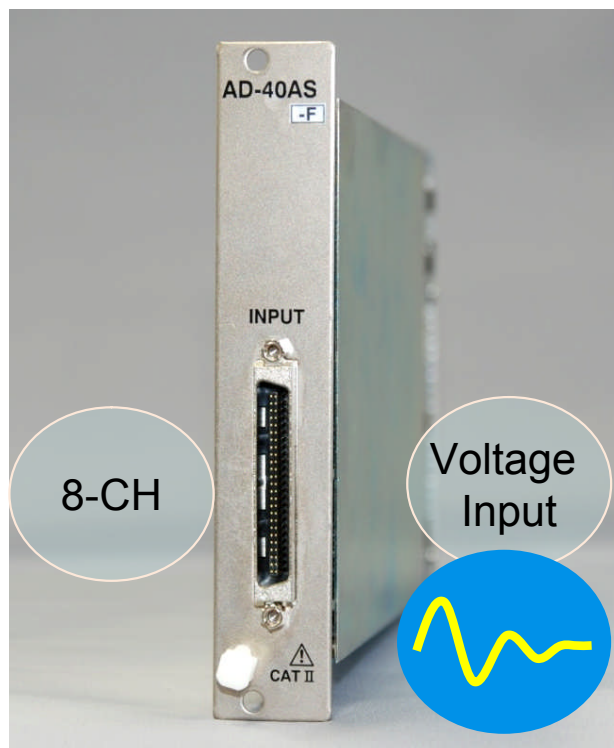
For EDX Series

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NEW PRODUCT INFORMATION

Appearance & Features



AD-40AS, AD-40AS-F

- Up to 640-CH Sync Operation is Available (Using 10 units of EDX-3000A)
- Built-in Antialiasing Filter (AD-40AS-F only)
- Providing Power to Sensors ($\pm 2.5V$ each channel)

Selectable EDX units below to meet the needs of your measurement



Universal Recorder
EDX-100A

- ★ Compact & Lightweight
- ★ Max. 128 channels



Universal Recorder
EDX-200A

- ★ Dual Sampling
- ★ Real-time Digital Filter



Memory Recorder/Analyzers
EDX-3000A

- ★ Fast Sampling up to 200kHz/32-ch
- ★ Recording of Video Simultaneously

*EDX-2000A/B are applicable, too.

Specifications

Description	AD converter card
Model	AD-40AS AD-40AS-F (with antialiasing filter)
No. of Input Channel	8
Input Range	$\pm 5V$, $\pm 10V$ and OFF
Input Method	Unbalanced (not balanced differential)
Input Resistance	Approx. $1M\Omega$
Sampling Method	All channels in sync
AD Converter	Method: Successive approximation Resolution: 16 bits (± 32000 counts/FS) Accuracy: Within $\pm 0.2\%$ FS
Nonlinearity	Within $\pm 0.1\%$ FS
Input Frequency	Range: DC to 50kHz Deviation: 1dB to -3dB
Low Pass Filter (LPF)	Transfer Characteristic: 2 nd order Butterworth Cutoff frequency: 10, 30, 100, 300, 1k, 3k, 10kHz and F (8 steps) Attenuation: Within $(-12 \pm 1\text{dB})/\text{oct.}$
Antialiasing Filter (AD-40AS-F only)	Transfer Characteristic: 8 th order Butterworth Cutoff frequency: A quarter of sampling frequency (auto setting) Attenuation: Within $(-48 \pm 5\text{dB})/\text{oct.}$ *(Set LPF to [AUTO])
Power Supply to Sensors	Voltage: $\pm 2.5V$ each channel Accuracy: Within $\pm 1\%$
TEDS	TEDS compatible (Load TEDS information)

Optional Accessories

- Voltage input box: VI-8A with a cable N-121 (1.5m)
- 8-channel input cable: U-127 (1.5m)

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JQA-0821
JQA-EM4824

Specifications are subject to change without notice for improvement.



Safety precautions

Be sure to observe the safety precautions given in the instruction manual, in order to ensure correct and safe operation.

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