

Conditioner Cards for EDX-3000A/EDX-2000A/B/EDX-100A CDV/DPM/CTA/CFV/CCA/CAN/DAC

Available in 8 different types, conditioner cards for EDX-3000A/EDX-2000A/EDX-100A are easily exchangeable. Choice selection enables configuration of the optimum system for each application.

★ **TEDS-compatible** cards enable the EDX series to automatically read electronic data of TEDS-installed transducers, thereby ensuring easy setup without fear of erroneous setting.

★ **Antialiasing filter** is a low-pass filter which prevents false signal output by limiting the bandwidth of an input signal.



Strain/Voltage Measuring Card CDV-40B

For strain gages, strain-gage transducers and voltage-output sensors

TEDS-compatible

- 8 channels, each with a 16-bit A/D converter
- Frequency response range: DC to 50 kHz, enabling vibration/noise measurement
- Applicable gage factor: 2.00 ● Bridge excitation: 2 VDC (120 Ω to 1 k Ω)
- Measuring range: 500 to 50000 $\mu\text{m/m}$ or 0.1 to 10 V (each in 7 steps) and OFF
- ★ CDV-40B-F with 8th order Butterworth antialiasing filter is optionally available.



Dynamic Strain Amplifier Card DPM-42A

For strain gages and strain-gage transducers

TEDS-compatible

- 4 channels, each with a 16-bit A/D converter
- Frequency response range: DC to 5 kHz (Deviation $\pm 10\%$)
- Applicable gage factor: 2.00 fixed ● Monitor output provided
- Bridge excitation by carrier, enabling highly accurate strain measurement
- Measuring range:
 - 200 to 20000 $\mu\text{m/m}$ in 7 steps and OFF (with bridge excitation by 2 V rms)
 - 1000 to 50000 $\mu\text{m/m}$ in 6 steps and OFF (with bridge excitation by 0.5 V rms)
- ★ DPM-42A-F with 8th order Butterworth antialiasing filter is optionally available.



Thermocouple Card CTA-40A

For temperature measurement with thermocouples of types K or T

- 8 channels, each with a 16-bit A/D converter
- Frequency response range: DC to 10 Hz
- Reference junction compensation circuit provided for each channel, enabling accurate temperature measurement
- Measuring range: -200 to 1230°C in 3 steps (K type) or -200 to 400°C in 2 steps (T type) and OFF ● Monitor output provided
- Burnout function built-in (ON/OFF switchable)



F/V Converter Card CFV-40A

For measurement of pulse frequency of rotation sensor

- 4 channels
- Built-in power supply for sensors (12 VDC, 50 mA)
- Input signal: AC (zero-cross), TTL level (including open collector signal)
- Measuring range: 50 Hz to 20 kHz in 8 steps and OFF
- Monitor output provided



Charge Amplifier Card CCA-40A

For voltage output type piezoelectric accelerometers

TEDS-compatible

- 8 channels, each with a 16-bit A/D converter
- Built-in power supply for sensors (Constant current power supply: 4 mA, approx. 24 VDC, load resistance 1 k Ω or less)
- Frequency response range: 1 Hz to 20 kHz (Deviation $+1$ dB/ -3 dB)
- Measuring range: 20 to 5000 mV in 8 steps and OFF ● Monitor output provided
- ★ CCA-40A-F with 8th order Butterworth antialiasing filter is optionally available.



Single Input CAN Card CAN-40A

For measurement of data frames on controller area network

- Compatible with both high-speed and low-speed CANs
(Compatible CAN version: Bosch 2.0B active. Conforms to ISO 11898.)
- A maximum 16 data frames can be measured.
- Measured data frames are recorded simultaneously with analog data of other channels.
- Graph display together with numeric display, frame display, and analog data
- Use of calculation factors such as calibration factor enables conversion of cropped CAN data to physical quantities.



Dual Input CAN Card CAN-41A (not applicable to EDX-2000A/B)

For simultaneous measurement of CAN buses of 2 systems of different communication conditions

- High-speed or low-speed CAN is individually selectable for each port.
(Compatible CAN version: Bosch 2.0B active. Conforms to ISO 11898.)
- A maximum 32 data frames can be measured.
- Measured data frames are recorded simultaneously with analog data of other channels.
- Graph display together with numeric display, frame display, and analog data
- Use of calculation factors such as calibration factor enables conversion of cropped CAN data to physical quantities.



DA Card DAC-40A (for EDX-2000A/B only)

For analog reproduction of acquired/calculated data

- 8 channels, each with a 14-bit D/A converter
- Reproduction of all data of selected channels or data in a display range
- Reproduction speed selectable in a range of 1 Hz to 10 kHz
- Offset output possible
- Simultaneous playback of voice memo (ON/OFF switchable)



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.

Reliability through integration



KYOWA ELECTRONIC INSTRUMENTS CO., LTD.

Overseas Department:

3-5-1, Chofugaoka, Chofu, Tokyo 182-8520, Japan
Phone: +81-42-489-7220 Facsimile: +81-42-488-1122
<http://www.kyowa-ei.com>
e-mail: overseas@kyowa-ei.co.jp

Cat. No. 410A-U55

Manufacturer's Representative