

# EDX-2000A Conditioner Cards

Available in 7 different types, EDX-2000A Conditioner Cards are easily exchangeable. Choice selection enables configuration of the optimum system for each application.

- ★TEDS-compatible cards enable the EDX-2000A 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-40A

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

- 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 kΩ)
- Measuring range: 500 to 50000 μm/m or 0.1 to 10 V (each in 7 steps) and OFF
- ★CDV-40A-F with 8th order Butterworth antialiasing filter is optionally available.



## **Dynamic Strain Amplifier Card DPM-42A**

For strain gages and strain-gage transducers

- 4 channels, each with a 16-bit A/D converter
- Frequency response range: DC to 5 kHz (Deviation ±10%)
- Applicable gage factor: 2.00 fixed
- Bridge excitation by carrier, enabling highly accurate strain measurement
- Measuring range:
  200 to 20000 μm/m in 7 steps and OFF (with bridge excitation by 2 V rms)
  1000 to 50000 μm/m in 6 steps and OFF (with bridge excitation by 0.5 V rms)
- Monitor output provided
- ★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

- 98 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
- Burnout function built-in (ON/OFF switchable)
- Monitor output provided





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### 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

- 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 kΩ 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.



## 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)
- A maximum of 16 data frames can be measured.
- Measured data frames are recorded simultaneously with analog data of other channels.
- Use of calculation factors such as calibration coefficient enables conversion of cropped CAN data to physical quantities.



#### DA Card DAC-40A

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)





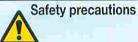
Reliability through integration **EKYOWA** 

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Specifications are subject to change without notice for improvement.



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