KYOWA

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

TEDS-compatible

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

TEDS-compatible

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

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

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

TEDS-compatible

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
- Reproducton 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

Reliability through integration

KYOWA

KYOWA ELECTRONIC INSTRUMENTS CO., LTD.
Overseas Department:
1-22-14, Toranomon, Minato-ku, Tokyo 105-0001, Japan
Tel: (03) 3502-3553 Fax: (03) 3502-3678
http://www.kyowa-ei.com e-mail: overseas@kyowa-ei.co.jp

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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.

Printed in Japan on Recycled Paper 5/06 ocs