



EDX-5000A-64



EDX-5000A-80

Memory Recorder/Analyzer

EDX-5000A **NEW**

All-in-one high-end models

- ✓ Measuring, monitoring, recording, and processing
- ✓ Easy operation with touch panel
- ✓ High-speed sampling frequency at 200 kHz per 32-channel
- ✓ Simultaneous acquisition of measuring data and video
- ✓ Effective real-time processing
 - Video recording
 - Digital filtering
 - Arithmetic operating
 - FFT analyzing

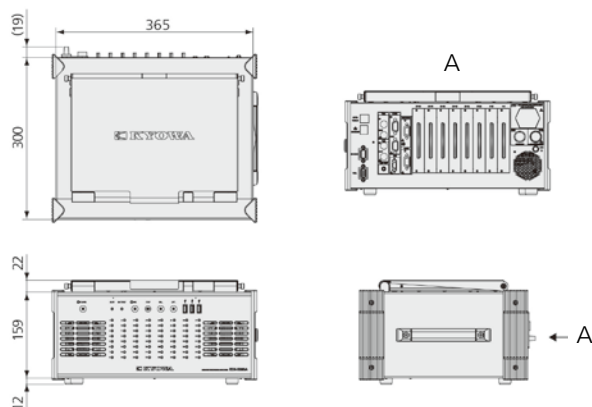


Lineup

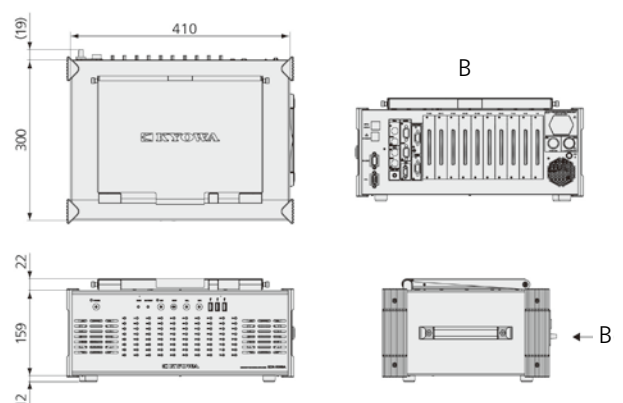
Models	Max. analog input channels	Slots	Storage Devices	Windows® 10
EDX-5000A-64-HE	64	8	HDD	English
EDX-5000A-64-SE			SSD	
EDX-5000A-80-HE	80	10	HDD	
EDX-5000A-80-SE			SSD	

Dimensions

EDX-5000A-64



EDX-5000A-80



Applicable ConditionerCards	CDV-40B (-F), CVM-41A, DPM-42B (-F), DPM-42B-I (-F), CTA-40A, CFV-40A, CCA-40A (-F), CDV-44AS, CDA-44AS, CDA-45AS, AD-40AS (-F)
Input Channels	EDX-5000A-64: Max. 64 (CDV-40B x 8) EDX-5000A-80: Max. 80 (CDV-40B x 10)
Analog Input	See spec of respective conditioner cards
Digital I/O	
I/O points	Max. 8
I/O settings	Sets every bit to digital input, digital output, or remote-control input with the same common
Remote-control input	Measuring start, stop, balance conducting, etc.
Input modes	Isolated TTL lever input
Input voltage	Max. 5 VDC
Isolation modes	Digital isolation
Output modes	Isolated open-collector output with 10 kΩ built-in pull-up resistors
Output voltage	5 VDC
Output current	Max. 25 mA per point
Voice input	1 channel, to be recorded together with measuring data. An optional remote control unit RCU-42 is required.
Sampling Frequencies	
Sampling modes	
1-2-5 series	1 Hz to 200 kHz for up to 32-channel data acquisition 1 Hz to 100 kHz for up to 64-channel data acquisition 1 Hz to 50 kHz for up to 80-channel data acquisition 1 Hz to 10 kHz for real-time synchronous data processing
2ⁿ series	2 to 131072 Hz for up to 32-channel data acquisition 2 to 65536 Hz for up to 64-channel data acquisition 2 to 32768 Hz for up to 80-channel data acquisition 2 to 8192 Hz for real-time synchronous data processing The condition is using a 16-bit A/D converter, as for a 24-bit A/D converter, the channels above will be half of each channel.
Storage	HDD model: 300 GB or more SSD model: 30 GB or more
Display	Channel status LED (OVER value of every channel are settable) REC, BUSY, BATTERY, POWERLED 12.1" wide touch panel
Operation Keys	Keys REC, STOP, BAL, and OPT are operated by touch panel, keys on EDX, external keyboard, or mouse
Output control connectors	CONT.IN, CONT.OUT (For remote control units, or synchronous operation)
External I/O Connectors	External Triggers: TRG IN, TRG OUT External clocks: CLK IN, CLK OUT (Output at any frequency division ratio)
External Interfaces	USB type keyboard, USB type mouse VGA connector for monitor USB I/F: 3 USB 2.0 in front, 2 USB 3.0 in rear LAN I/F: 100/1000BASE-T

Power Supply	100 to 240 VAC, and 10 to 30 DC, dual supply Built-in batteries against momentary power failure
Current Consumption	EDX-5000A-64: ≈ 1.8 A, when 100 VAC, CDV-40B x 8 EDX-5000A-80: ≈ 2 A, when 100 VAC, CDV-40B x 10
Operating Temperature	0 to 40 °C
Operating Humidity	20 to 80% RH (Non-condensing)
Storage Temperature	-20 °C to 60 °C
Vibration Resistant	EDX-5000A-64-HE, EDX-5000A-64-SE, EDX-5000A-80-HE, EDX-5000A-80-SE: 49.0m/s ² (5 G), 5 to 55 Hz when not operating 29.4m/s ² (3 G), 5 to 55 Hz when operating EDX-5000A-64-HE, EDX-5000A-80-HE: 9.8m/s ² (1 G), 10 to 200 Hz when operating EDX-5000A-64-SE, EDX-5000A-80-SE: 19.6m/s ² (2 G), 10 to 200 Hz when operating
Impact Resistant	196.1m/s ² , (20 G), 11ms
EMC Directive	EN61326-1 (Class A)
Low Voltage Directive	EN61010-1, EN61010-2-030 (Installation category II, Pollution degree 2, Measurement category O)
RoHS Directive	EN50581
Dimensions	EDX-5000A-64: 365 W × 159 H × 300 D mm (Excluding protrusions) EDX-5000A-80: 410 W × 159 H × 300 D mm (Excluding protrusions)
Weight	EDX-5000A-64: Approx. 11.5 kg (Mainframe only) EDX-5000A-80: Approx. 12.5 kg (Mainframe only)
Optional Functions	CAN data acquisition (Input channels: Max 512) GPS data acquisition (Tracing data acquisition, time synchronous function)
Online Control	Controlled by DCS-100A

Standard Accessories

AC power cable P-18 (With 2-pin conversion plug CM-39),
DC power cable P-70,
ground wire P-72,
simplified instruction manual,
instruction manual (CD-R),
EDX accessory bag

Optional Accessories

Conversion cable,
synchronous cable N-95,
synchronous extension terminal,
remote control unit RCU-42A,
belt hook

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Safety Precautions

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

• Specifications are subject to change without notice for improvement.



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Manufacture's Representative