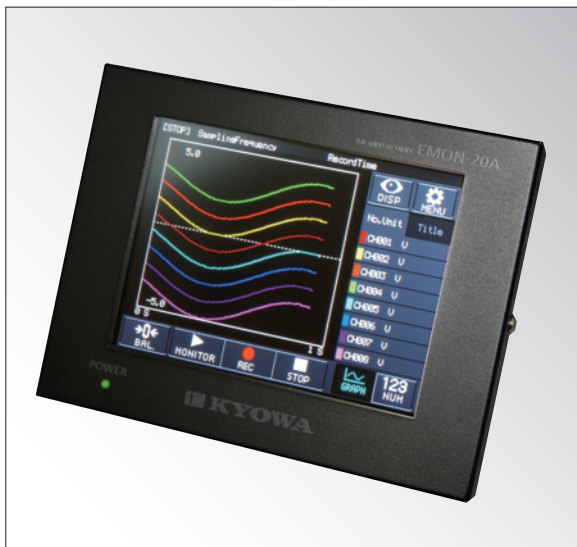


# EMON-20A

## Monitor Unit



- Monitoring any 8-channel data
- Touching the panel to control the EDX-100A and EDX-200A
- Setting channel conditions (Measure ON/OFF, channel modes, measuring range, LPF, sampling frequencies, etc.)
- Confirming recorded data on the spot

### Specifications

|                                                                                     |                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicable Recorders</b>                                                         | EDX-100A and EDX-200A (Max. 3 units in sync)                                                                                                                     |
| <b>Display</b>                                                                      | LCD: 5.7" color TFT, 320 x 240                                                                                                                                   |
|                                                                                     | Touchscreen: Analog resistive film type                                                                                                                          |
|                                                                                     | POWER LED: ON (Power ON)                                                                                                                                         |
|                                                                                     | Flashing (Back right is OFF, Updating)                                                                                                                           |
|                                                                                     | OFF (Power OFF)                                                                                                                                                  |
| <b>Display Contents</b>                                                             | Y-time graph: Max. 8 channels. It is not possible to select some channels over several EDXs that is in synchronous operation.                                    |
|                                                                                     | Numeric monitoring: Max. 8 channels. It is not possible to select some channels over several EDXs that is in synchronous operation.                              |
|                                                                                     | Data confirmation: Max. 8 channels                                                                                                                               |
| <b>Control Items</b>                                                                | Measuring items: Monitor start (MONITOR), stop (STOP), record (REC), and balance (BAL)                                                                           |
|                                                                                     | Channel conditions: Measuring range, switching modes, LPF                                                                                                        |
|                                                                                     | Measuring conditions: Sampling frequencies                                                                                                                       |
| <b>Other Functions</b>                                                              | EMON-20A settings                                                                                                                                                |
|                                                                                     | Language (Japanese/English), background color (black/white), operating beep (ON/OFF), back light (lighting time), network settings, preset values initialization |
|                                                                                     | Measuring unit information                                                                                                                                       |
|                                                                                     | EDX model, the number of EDX units, EDX version, EDX ID, EDX IP address, EDX subnet mask, conditioner card model                                                 |
| <b>Coupling Cable</b>                                                               | Dedicated cable within 5 m                                                                                                                                       |
| <b>Power Supply</b>                                                                 | 10 to 36 VDC or AC exclusive adapter                                                                                                                             |
| <b>Current Consumption</b>                                                          | 450 mA or less (12 VDC)                                                                                                                                          |
|                                                                                     | 200 mA or less (24 VDC)                                                                                                                                          |
| <b>Dimensions</b>                                                                   | 166 W x 29 H x 128.5 D mm (Excluding protrusions)                                                                                                                |
| <b>Weight</b>                                                                       | Approx. 550 g                                                                                                                                                    |
| <b>Vibration Resistant</b>                                                          | 29.4 m/s <sup>2</sup> (3 G), 5 to 200 Hz                                                                                                                         |
| <b>Shock Resistance</b>                                                             | 147.0 m/s <sup>2</sup> (15 G), 11 ms or less                                                                                                                     |
| <b>Operating Temperature</b>                                                        | 0 to 50°C                                                                                                                                                        |
| <b>Operating Humidity</b>                                                           | 20 to 80% (Non-condensing)                                                                                                                                       |
| <b>Control Available Conditioner Card</b>                                           |                                                                                                                                                                  |
| Strain/Voltage/Acceleration Measurement Card                                        | CVM-41A                                                                                                                                                          |
| Strain/Voltage Measurement Card                                                     | CDV-40B, CDV-40B-F                                                                                                                                               |
| Dynamic Strain Measurement Card                                                     | DPM-42B, DPM-42B-F, DPM-42B-I, DPM-42B-I-F                                                                                                                       |
| Thermocouple Card                                                                   | CTA-40A                                                                                                                                                          |
| F/V Converter Card                                                                  | CFV-40A                                                                                                                                                          |
| Charge Amplifier Card                                                               | CCA-40A, CCA-40A-F                                                                                                                                               |
| Strain/Voltage Measurement Insulation Card                                          | CDV-44AS                                                                                                                                                         |
| Direct Rated Current Expansion Card                                                 | CDA-44AS, CDA-45AS                                                                                                                                               |
| A/D Converter Card                                                                  | AD-40AS, AD-40AS-F                                                                                                                                               |
| CAN Card <sup>*1</sup>                                                              | CAN-41A                                                                                                                                                          |
| <sup>*1</sup> Monitoring data and recording data are available.                     |                                                                                                                                                                  |
| Confirming with recorded data and changing CAN setting condition are not available. |                                                                                                                                                                  |

### Standard Accessories

Connection cable (Approx. 5 m)

### Optional Accessories

AC adapter UIA345-12 (For U.S.A.: UNI345-1238)

DC power cable P-76

<sup>\*</sup>For custom-designed products, contact us.

<sup>\*</sup>Requires the EDX-100A/200A firmware version 02.00 or higher.

### Dimensions

