A removable chassis model has been added to the Yokogawa’s latest DXAdvanced Video Graphic Recorder featuring easy maintenance.

The new DXAdvanced DX1000N features an inner chassis that can be removed from the case via the front panel of the instrument. This provides access to all of the internal components of the DX1000N from the control panel without having to access the rear of the unit or disturb any of the field and power supply wiring. Functionality, appearance, and panel cutout dimensions are the same as those of the standard DX1000.

Advanced Performance
- High-speed measurement
  * High-speed measurement of up to 25 ms (DX1002N or DX1004N using fast sampling mode)

Advanced Memory
- High Capacity Internal Memory and Removable Media
  * Supports up to 200 MB of non-volatile, internal flash memory for reliable, long-term data storage
  * All models include a CompactFlash drive. Rugged and readily available CompactFlash cards (CF cards) serve as the removable media, and are available as optional accessories.
  * Supports USB Flash drive with optional USB interface.

Advanced Display and User Interface Functions
- Easy configuration and menu navigation
  * USB keyboard & remote control options for text entry
  * Versatile, standard display modes
  * Jump to your favorite screen with the Favorite key

Advanced Connectivity
- Powerful Ethernet connectivity and convenience functions
  * Standard Ethernet interface
  * Includes Web server and E-mail messaging functions, time synchronization (SNTP), automatic network setup (DHCP), file transfer (FTP) and more.

Advanced Reliability and Security
- Rugged construction and data security
  * Water and dust-proof front panel (complies with IEC529-IP65 and NEMA No.250 TYPE4) *Except for external icing test.
  * A mechanical lock with removable key is provided to securely latch the front panel door. This forbids access to the power switch and removable media.
  * Reliable, non-volatile flash memory is used for internal data storage operations with ECC* function. * ECC: Error Check and Correct
Application Software (DAQSTANDARD for DXAdvanced)

Every DXAdvanced unit includes a DAQSTANDARD software, which is used for all data file display and reporting functions, including printing and conversion to common file formats. In addition, it includes a configuration tool that is used to fully configure the unit in both on-line (via Ethernet communications) and off-line (saving and loading files from the media) modes. Configuration files can also be archived on the PC.

Models and Suffix Codes

<table>
<thead>
<tr>
<th>Model code</th>
<th>Suffix code</th>
<th>Options code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DX1002N</td>
<td></td>
<td></td>
<td>2 ch, 125 ms (Fast sampling mode: 25 ms)</td>
</tr>
<tr>
<td>DX1004N</td>
<td></td>
<td></td>
<td>4 ch, 125 ms (Fast sampling mode: 25 ms)</td>
</tr>
<tr>
<td>DX1006N</td>
<td></td>
<td></td>
<td>6 ch, 1 s (Fast sampling mode: 125 ms)</td>
</tr>
<tr>
<td>DX1012N</td>
<td></td>
<td></td>
<td>12 ch, 1 x (Fast sampling mode: 125ms)</td>
</tr>
<tr>
<td>Internal</td>
<td>-1</td>
<td></td>
<td>Standard memory (60 MB)</td>
</tr>
<tr>
<td></td>
<td>-2</td>
<td></td>
<td>Large memory (200 MB)</td>
</tr>
<tr>
<td>External</td>
<td>-4</td>
<td></td>
<td>CF card (with media)</td>
</tr>
<tr>
<td>Display language</td>
<td>-2</td>
<td></td>
<td>English/German/French, degF, DST (summer/winter time)</td>
</tr>
</tbody>
</table>

Options

- /A1: Alarm output 2 points *1
- /A2: Alarm output 4 points *1
- /A3: Alarm output 6 points *1 *2
- /C2: RS-232 interface *3
- /C3: RS-422A/485 interface *3
- /F1: FAIL/Status output *2
- /H2: Clamped input terminal (detachable)
- /I1: Mathematical functions
- /I2: Cu/Co, Cu2S RTD input/3 leg isolated RTD
- /I3: Extended input type (PR40-20, Pt50, etc.)
- /P1: 24 VDC/AC power supply
- /R1: Remote control
- /TPS2: 24VDC transmitter power supply (2 loops) *5
- /TPS4: 24VDC transmitter power supply (4 loops) *6
- /KB1: Easy text entry (with input terminal) *7 *8
- /KB2: Easy text entry (without input terminal) *7
- /USB1: USB interface
- /PM1: Pulse input (including remote control and mathematical functions) *9
- /CC1: Calibration correction function

- *1 /A1, /A2 and /A3 cannot be specified together. *2 /A3 and /F1 cannot be specified together.
- *3 /C2 and /C3 cannot be specified together. *4 /N2 can be specified for only DX1006N and DX1012N.
- *5 /TPS2 and /TPS4 cannot be specified together. *6 /TPS2 or /TPS4 cannot be specified. And combination of /A2F1 cannot be specified together.
- *7 In case that /TPS4 is specified, /TPS2, /A2, /A3 or /F1 cannot be specified together.
- *8 In case that /TPS2 is specified, /TPS4, /A2, /A3 or /F1 cannot be specified together.
- *9 In case that /PM1 is specified, /I1, /I2, /R1, /TPS2 or /TPS4 cannot be specified. And combination of /A2F1 cannot be specified together.

Accessories

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Model code (part number)</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shunt resister</td>
<td>415920</td>
<td>250Ω±0.1%</td>
</tr>
<tr>
<td>(for screw input terminal)</td>
<td>415921</td>
<td>100Ω±0.1%</td>
</tr>
<tr>
<td>Shunt resister (for clamped input terminal)</td>
<td>438920</td>
<td>250Ω±0.1%</td>
</tr>
<tr>
<td></td>
<td>438921</td>
<td>100Ω±0.1%</td>
</tr>
<tr>
<td>CF card adapter</td>
<td>772090</td>
<td>–</td>
</tr>
<tr>
<td>CF card</td>
<td>772091</td>
<td>128 MB</td>
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<tr>
<td></td>
<td>772092</td>
<td>256 MB</td>
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<tr>
<td></td>
<td>772093</td>
<td>512 MB</td>
</tr>
<tr>
<td></td>
<td>772094</td>
<td>1 GB</td>
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<tr>
<td>Mounting bracket</td>
<td>890008X</td>
<td>–</td>
</tr>
<tr>
<td>Door lock key</td>
<td>B8706FX</td>
<td>–</td>
</tr>
<tr>
<td>Remote control terminal</td>
<td>438227</td>
<td>For /KB1, /KB2 option</td>
</tr>
</tbody>
</table>

Dimensions

For more details on all specifications, see the DX1000N General Specifications (GS 04L43B01-01E).
For more details on all functions, see the DX1000/DX2000 catalog (Bulletin 04L41B01-01E).

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