# DAQSTATION

YOKOGAWA ◆

# DX100L Special Housing Model



Photo:DX100L for Foxboro recorder (SPEC200)

## Foxboro (SPEC200), SRHD,NRE and μR-F series recorders can be replaced with model DX100L!

■ **Replacement of Special housing**
The DX100L was developed as a replacement for recorders with different panel cut dimensions or depth dimensions, such as the Foxboro (SPEC200), SRHD, NRE, or μR100F.

■ **Networking capability**
The DX100L is standard-equipped with a 10BASE-T Ethernet adapter. It can be easily added to an existing LAN or WAN. This enables network-based functions such as E-mail notification, remote monitoring on Web browser, and FTP file transfer.

■ **A wide variety of display options**
Each models in the DX100L is equipped with high-resolution, wide-angle TFT color liquid crystal display(5.5-inch) for unparalleled easy viewing. A variety of display options are provided, including trend display, bar graph display, numeric display, and overview display.

■ **Storage options for greater flexibility**
In addition to 1.4MB 3.5-inch floppy disks, ATA flash memory cards (up to 440MB) and ZIP disks (100MB) can be used as removable storage media. A variety of file formats and trigger functions improve efficiency so that you store only the data you need.

■ **Rugged construction for high reliability**
The internal flash memory does not require battery backup. Networking lets you back up large amounts of data to other devices on your network.

■ **Seamless network integration through application software**
The application software provided by YOKOGAWA seamlessly integrates DX Series recorders with a Network.

**For the detailed specifications see the general specifications (GS 04L04A01-E) of DX100L.**

## Models

DX100L

| Model code | Suffix code | Optional code | Description |
|---|---|---|---|
| DX102L | | | DAQSTATION DX100L (2 ch) |
| DX104L | | | DAQSTATION DX100L (4 ch) |
| DX106L | | | DAQSTATION DX100L (6 ch) |
| DX112L | | | DAQSTATION DX100L (12 ch) |
| Housing types | -1 | | For Foxboro SPEC200(except Single shelf) |
| | -2 | | For SRHD/μR-F |
| | -3 | | For NRE/SRHD Long housing |
| External memory | -1 | | FDD |
| | -2 | | Zip (with medium) |
| | -3 | | ATA flash memory card (with medium) |
| Display language | -2 | | English/Germany/French, deg F & Summer/ winter time (with English software) |
| Options | | /A1 | 2 alarm outputs *1 |
| | | /A2 | 4 alarm outputs *1 |
| | | /A3 | 6 alarm outputs *1 |
| | | /BT1 | Batch function |
| | | /C2 | RS-232 interface (with Modbus) *2 *3 |
| | | /C3 | RS-422-A/485 interface (with Modbus) *2 *3 |
| | | /CF1 | FOUNDATION Fieldbus *2 *4 |
| | | /F1 | Fail/memory end detection and output *5 |
| | | /H2 | Clamped input terminal |
| | | /M1 | Mathematical function (with report creation capability) |
| | | /N1 | Cu10, Cu25 RTD input/3 legs isolated RTD |
| | | /N2 | 3 legs isolated RTD *6 |
| | | /P1 | 24 V DC/AC power supply |
| | | /R1 | Remote control |
| | | /TPS2 | 24 V DC output for transmitters (2 loops) *7 |
| | | /TPS4 | 24 V DC output for transmitters (4 loops) *8 |

*1 /A1, /A2, and /A3 cannot be specified together.
*2 /C2, /C3, and /CF1 cannot be specified together.
*3 Specify /M1 when using Modbus master functions.
*4 Always specify /CF1 with /M1.
*5 If /F1 is specified, /A3 cannot be specified.
*6 /N2 can be specified only for DX106 and DX112.
*7 If /TPS2 is specified, /TPS4, /A2, /A3, and /F1 cannot be specified.
*8 If /TPS4 is specified, /TPS2, /A1, /A2, /A3, and /F1 cannot be specified.

## Optional feature(Available for DX1□□L-2,-3)

| Optional code | Description |
|---|---|
| /H6 | Mounting kit for single panel mounting |
| /H7 | Bezel color : Mansell 7.5BG4/1.5(/H6 must be specified) |

## Application software

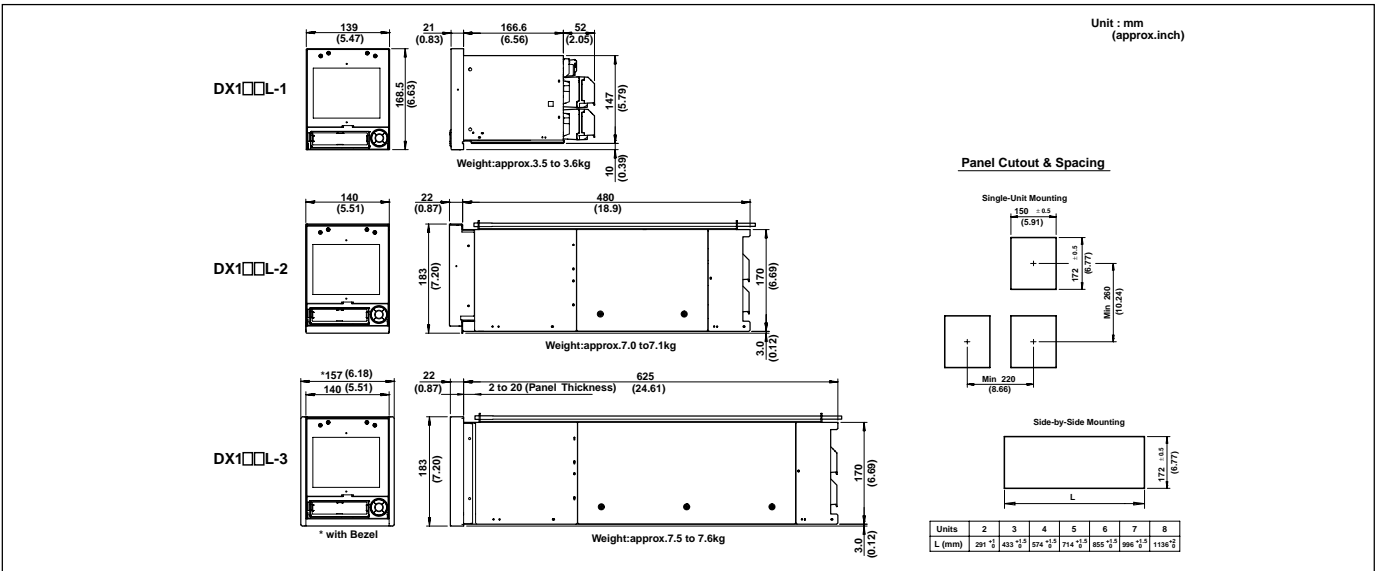| Model | Description | Operating System |
|---|---|---|
| DXA100-02 | DAQSTANDARD | Windows 95/98/Me/NT4.0/2000 |
| DXA200-02 | DAQEXPLORER | Windows 95/98/Me/NT4.0/2000 |
| DXA200-02/XF1 | DAQEXPLORER with auto file converter | Windows 95/98/Me/NT4.0/2000 |
| DXA310-021 | DAQ-PharmBio | Windows 95/98/Me/NT4.0/2000 |
| DXA410-02 | DAQOPC | Windows NT4.0 |
| VA510-01-2 | DAQLOGGER (400 channels) | Windows 95/98/NT4.0/2000 |
| VA510-02-2 | DAQLOGGER (1000 channels) | Windows 95/98/NT4.0/2000 |
| VA510-03-2 | DAQLOGGER (1600 channels) | Windows 95/98/NT4.0/2000 |
| VA520-01-2 | DAQLOGGER client (1600 channels) | Windows 95/98/NT4.0/2000 |

## Accessories

Accessories (sold separately)

| Product | Product Model (part number) | Specification |
|---|---|---|
| Shunt resistor (for screw terminal) | 415920 | 250 Ω ± 0.1% |
| | 415921 | 100 Ω ± 0.1% |
| | 415922 | 10 Ω ± 0.1% |
| Shunt resisters (for clamped terminal./H2) | 438920 | 250 Ω ± 0.1% |
| | 438921 | 100 Ω ± 0.1% |
| | 438922 | 10 Ω ± 0.1% |
| 3.5-inch floppy disks | 705900 | 2HD (10 disks) |
| Zip disk | A1053MP | 100 MB |
| ATA flash memory card | B9968PK | 24 MB or more |
| Fuse | A1347EF | 250 V 1A TL |
| | A1352EF(/P1) | 250 V 4A TL |
| Bracket | E9710CM | For DX1□□L-2 |
| | E9710CT | For DX1□□L-3 |

## Dimensions



Unit : mm (approx.inch)

DX1□□L-1 — 139 (5.47), 21 (0.83), 166.6 (6.56), 52 (2.05), 168.5 (6.63), 147 (5.79), 10 (0.39), Weight:approx.3.5 to 3.6kg

DX1□□L-2 — 140 (5.51), 22 (0.87), 480 (18.9), 183 (7.20), 170 (6.69), 3.0 (0.12), Weight:approx.7.0 to 7.1kg

DX1□□L-3 — *157 (6.18), 140 (5.51), 22 (0.87), 2 to 20 (Panel Thickness), 625 (24.61), 183 (7.20), 170 (6.69), 3.0 (0.12), * with Bezel, Weight:approx.7.5 to 7.6kg

Panel Cutout & Spacing

Single-Unit Mounting — 150 ±0.5 (5.91), 172 ±0.5 (6.77), Min 260 (10.24), Min 220 (8.66)

Side-by-Side Mounting — 172 ±0.5 (6.77), L

| Units | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| L (mm) | 291 | 433 | 574 | 714 | 855 | 996 | 1136 |

— NOTICE —
● Before operating the product, read the instruction manual thoroughly for proper and safe operation.
● If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.

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