

### Safety Precautions

- This instrument conforms to IEC safety class I (provided with terminal for protective grounding), Installation Category II, and EN61326-1 (EMC standard), Measurement Category II (CAT II)\*.
    - \* Measurement category II (CAT II) applies to measuring circuits connected to low voltage installation, and electrical instruments supplied with power from fixed equipment such as electric switchboards.
  - This instrument is an EN61326-1 (EMC standard) class A instrument (for use in commercial, industrial, or business environments). The influence rate (judgment condition A) in the immunity test environment is within  $\pm 10\%$  of the range or  $\pm 10$  mV (50V range only,  $\pm 20\%$  of the range).
  - When the voltage beyond the test voltage of the static electrostatic discharge (direct contact 4 KV and air gap 8 KV) prescribed by EN61326 was impressed on a front operating panel of this equipment, there is a fear that equipment breaks down. (DX1000/DX1000N)
  - The general safety precautions described here must be observed during all phases of operation. If the DX is used in a manner not described in this manual, the DX safety features may be impaired. Yokogawa Electric Corporation assumes no liability for the customer's failure to comply with these requirements.
  - The DX is designed for indoor use.
- **About the User's Manuals**
    - Please pass the user's manuals to the end user. We also ask you to store the user's manuals in a safe place.
    - Read the user's manuals thoroughly and have a clear understanding of the product before operation.
    - The user's manuals explain the functions of the product. They does not guarantee that the product will suit a particular purpose of the user.
  - **Precautions Related to the Protection, Safety, and Alteration of the Product**

The following safety symbols are used on the product and in the user's manuals.



"Handle with care." To avoid injury and damage to the instrument, the operator must refer to the explanation in the manual.



Protective ground terminal



Functional ground terminal (do not use this terminal as a protective ground terminal.)



Alternating current



Direct current



ON (power)



OFF (power)

- For the protection and safe use of the product and the system in which this product is incorporated, be sure to follow the instructions and precautions on safety that are stated in this manual whenever you handle the product. Take special note that if you handle the product in a manner that violates these instructions, the protection functionality of the product may be damaged or impaired. In such cases, YOKOGAWA does not guarantee the quality, performance, function, and safety of product.
- When installing protection and/or safety circuits such as lightning protection devices and equipment for the product and control system or designing or installing separate protection and/or safety circuits for fool-proof design and fail-safe design of the processes and lines that use the product and the control system, the user should implement these using additional devices and equipment.
- If you are replacing parts or consumable items of the product, make sure to use parts specified by YOKOGAWA.
- This product is not designed or manufactured to be used in critical applications that directly affect or threaten human lives. Such applications include nuclear power equipment, devices using radioactivity, railway facilities, aviation equipment, air navigation facilities, aviation facilities, and medical equipment. If so used, it is the user's responsibility to include in the system additional equipment and devices that ensure personnel safety.
- Do not modify this product.

**WARNING****Use the Correct Power Supply**

Ensure that the source voltage matches the voltage of the power supply before turning ON the power. In the case of a desktop type, ensure that it is within the maximum rated voltage range of the provided power cord before connecting the power cord.

- **Use the Correct Power Cord and Plug (Desktop Type)**

To prevent electric shock or fire, be sure to use the power cord supplied by YOKOGAWA. The main power plug must be plugged into an outlet with a protective earth terminal. Do not disable this protection by using an extension cord without protective earth grounding.

The power cord is designed for use with this instrument. Do not use the power cord with other instruments.

- **Connect the Protective Grounding Terminal**

Make sure to connect the protective grounding to prevent electric shock before turning ON the power.

The power cord that comes with the desktop type is a three-prong type power cord. Connect the power cord to a properly grounded three-prong outlet.

- **Do Not Impair the Protective Grounding**

Never cut off the internal or external protective grounding wire or disconnect the wiring of the protective grounding terminal. Doing so invalidates the protective functions of the instrument and poses a potential shock hazard.

- **Do Not Operate with Defective Protective Grounding**

Do not operate the instrument if the protective grounding might be defective. Also, make sure to check them before operation.

- **Do Not Operate in an Explosive Atmosphere**

Do not operate the instrument in the presence of flammable liquids or vapors. Operation in such an environment constitutes a safety hazard.

Prolonged use in a highly dense corrosive gas (H<sub>2</sub>S, SO<sub>x</sub>, etc.) will cause a malfunction.

- **Do Not Remove Covers**

The cover should be removed by YOKOGAWA's qualified personnel only. Opening the cover is dangerous, because some areas inside the instrument have high voltages.

- **Ground the Instrument before Making External Connections**

Connect the protective grounding before connecting to the item under measurement or control unit.

- **Damage to the Protection**

Operating the instrument in a manner not described in this manual may damage the instrument's protection.

**CAUTION**

This instrument is a Class A product. Operation of this instrument in a residential area may cause radio interference, in which case the user is required to take appropriate measures to correct the interference.

- **Exemption from Responsibility**

- YOKOGAWA makes no warranties regarding the product except those stated in the WARRANTY that is provided separately.
- YOKOGAWA assumes no liability to any party for any loss or damage, direct or indirect, caused by the user or any unpredictable defect of the product.

## Protection of Environment

### • Control of Pollution Caused by the Product

This is an explanation for the product based on “Control of pollution caused by Electronic Information Products” in the People’s Republic of China.

### 产品中有毒有害物质或元素的名称及含量

| 部件名称   | 有毒有害物质或元素                                |         |         |               |             |               |
|--|--|---------|---------|---------------|-------------|---------------|
|  | 铅<br>Pb                                  | 汞<br>Hg | 镉<br>Cd | 六价铬<br>(Cr6+) | 多溴联苯<br>PBB | 多溴二苯醚<br>PBDE |
| LCD显示器   | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 印刷电路板配件  | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 内部接线的材料  | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 存储媒体驱动   | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 箱体和底座  | 塑料<br>N/A                                | N/A     | N/A     | ✓             | ✓           | ✓             |
|  | 金属<br>N/A                                | N/A     | N/A     | ✓             | ✓           | ✓             |
| 电源   | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 操作键  | N/A                                      | N/A     | N/A     | ✓             | ✓           | ✓             |
| 附件/<br>选配件   | 端子用螺钉                                    | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | 电源线                                      | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | 远程控制端子<br>438227                         | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | 安装支架<br>B9900BX                          | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | 操作面板锁定键<br>B8706FX                       | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | CF卡<br>772091, 772092,<br>772093, 702094 | N/A     | N/A     | N/A           | ✓           | ✓             |
|  | CF卡适配器<br>772090                         | N/A     | N/A     | N/A           | ✓           | ✓             |
| 分流电阻<br>415920, 415921,<br>415922, 438920,<br>438921, 438922 | N/A                                      | N/A     | N/A     | ✓             | ✓           |               |

✓: 表示该部件的所有均质材料中的有毒有害物质或元素的含量均低于GB/T 26752标准所规定的限量要求。

N/A: 表示该部件中至少有一种均质材料中的有毒有害物质或元素的含量超过GB/T 26752标准所规定的限量要求。

本产品的部分部件包含RoHS指令中的限用物质，但是其使用方法不受该指令限制。

Some parts of this product include the restricted substances of RoHS Directive, but their applications are under the exemption of the directive.

### 环保使用期限



该标志为环境保护使用期限，根据SJ/T11364，适用于在中国（台湾、香港、澳门除外）销售的电子电气产品。只要您遵守该产品相关的安全及使用注意事项，在自制造日起算的年限内，则不会因产品中有毒物质泄漏或突变，而造成对环境的污染或对人体及财产产生恶劣影响

注) 该年数为“环保使用期限”，并非产品的质量保质期。零件更换的推荐周期，请参照使用说明书

### • Proper Disposal of This Product

This is an explanation of how to dispose of this product based on Waste Electrical and Electronic Equipment (WEEE), Directive. This directive is only valid in the EU.



#### • Marking

This product complies with the WEEE Directive marking requirement. This marking indicates that you must not discard this electrical/electronic product in domestic household waste.

#### • Product Category

With reference to the equipment types in the WEEE directive, this product is classified as a “Small equipment” product.

Do not dispose in domestic household waste. When disposing products in the EU, contact your local Yokogawa Europe B.V. office.

### • How to Dispose the Batteries



This is an explanation about the new EU Battery Directive (DIRECTIVE 2006/66/EC). This directive is only valid in the EU.  
Batteries are included in this product. Batteries incorporated into this product cannot be removed by yourself. Dispose them together with this product. When you dispose this product in the EU, contact your local Yokogawa Europe B.V.office. Do not dispose them as domestic household waste.  
Battery type: Lithium battery  
Notice: The symbol (see above) means they shall be sorted out and collected as ordained in ANNEX II in DIRECTIVE 2006/66/EC.

### Authorised Representative in the EEA

The Authorised Representative for this product in the EEA is:  
Yokogawa Europe B.V.  
Euroweg 2, 3825 HD Amersfoort, The Netherlands

### Downloadable Electronic Manuals

User's manuals for the DX are available on the following web site:

<http://www.yokogawa.com/ns/dxadv/im/>

| Manual Title   | Manual No.*      |
|--|------------------|
| DX1000/DX1000N Operation Guide   | IM 04L41B01-02E  |
| DX1000/DX1000N User's Manual   | IM 04L41B01-01E  |
| DX1000/DX1000N/DX2000 Multi Batch (/BT2) User's Manual                         | IM 04L41B01-03E  |
| DX1000/DX1000N/DX2000 Custom Display User's Manual                             | IM 04L41B01-04E  |
| DX1000/DX1000N/DX2000 Advanced Security (/AS1) User's Manual                   | IM 04L41B01-05EN |
| DX1000/DX1000N/DX2000 Communication Interface User's Manual                    | IM 04L41B01-17E  |
| DX1000/DX1000N/DX2000 EtherNet/IP Communication Interface User's Manual        | IM 04L41B01-18E  |
| DX1000/DX1000N/DX2000 PROFIBUS-DP (/CP1) Communication Interface User's Manual | IM 04L41B01-19E  |
| DX2000 Operation Guide   | IM 04L42B01-02E  |
| DX2000 User's Manual   | IM 04L42B01-01E  |
| DX1000T Operation Guide  | IM 04L45B01-02EN |
| DX2000T Operation Guide  | IM 04L45B02-02EN |
| Control of Pollution Caused by the Product                                     | IM 04L41B01-91C  |
| About the Usage of Open Source Software  | IM 04L41B01-81Z1 |
| Usage Precautions  | IM 04L41B01-92EN |

### General Specifications

For specifications, refer to General Specifications.

| General Specifications Title | General Specifications No.* |
|------------------------------|-----------------------------|
| Daqstation DX1000            | GS 04L41B01-01E             |
| Daqstation DX2000            | GS 04L42B01-01E             |
| Daqstation DX1000N           | GS 04L43B01-01E             |
| Daqstation DX1000T           | GS 04L45B01-01EN            |
| Daqstation DX2000T           | GS 04L45B02-01EN            |

\* The last characters of the manual number and general specifications number indicates the language in which the manual is written.

**YOKOGAWA** ◆

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