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 ±15 % of the range or ±10 mV.
• The general safety precautions described here must be observed during all phases of operation. If the FX is used in a manner not described in this manual, the FX safety features may be impaired. Yokogawa Electric Corporation assumes no liability for the customer’s failure to comply with these requirements.
• The FX is designed for indoor use.

About User’s Manuals

• Please pass user’s manuals to the end user. We also ask you to store manuals in a safe place.
• Read user’s manuals thoroughly and have a clear understanding of the product before operation.
• User’s manuals explain the functions of the product. It 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 this manual.

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

Alternating current

Protective ground terminal

Direct current

• 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.

• Connect the Protective Grounding Terminal
  Make sure to connect the protective grounding to prevent electric shock before turning ON the power.

• 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 (H2S, SOx, 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

产品中有毒有害物质或元素的名称及含量

<table>
<thead>
<tr>
<th>部件名称</th>
<th>铅 (Pb)</th>
<th>汞 (Hg)</th>
<th>镉 (Cd)</th>
<th>六价铬 (Cr6+)</th>
<th>多溴联苯 (PBB)</th>
<th>多溴二苯醚 (PBDD)</th>
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<tbody>
<tr>
<td>显示器 (LCD)</td>
<td>×</td>
<td>×</td>
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</tr>
<tr>
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</tr>
<tr>
<td>内部接线的材料</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>〇</td>
<td>〇</td>
<td>〇</td>
</tr>
<tr>
<td>外壳/机箱</td>
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<td>×</td>
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<td>〇</td>
</tr>
<tr>
<td>电源</td>
<td>金属</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>〇</td>
<td>〇</td>
</tr>
<tr>
<td>操作键</td>
<td>电源</td>
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<td>×</td>
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<tr>
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<td>用于端子的螺丝</td>
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<td>×</td>
<td>×</td>
<td>〇</td>
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</tr>
<tr>
<td></td>
<td>安装支架</td>
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<td>〇</td>
</tr>
<tr>
<td></td>
<td>CF卡</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>〇</td>
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<tr>
<td></td>
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<td>×</td>
<td>×</td>
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○：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。
×：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。

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，则不会因产品中有害物质泄漏或突发变异，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”，并非产品的质量保证期。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
Electronic Manuals
You can download the latest manuals from the following website.
http://www.yokogawa.com/ns/fx1000/im/

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General Specifications
For specifications, refer to General Specifications.

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* The last two characters of the manual number and the general specifications number indicate the language in which the manuals or general specifications are written.