For Marine Industry
YOKOGAWA's Field Instruments Are Very Useful in Marine Applications

Acquired Marine Approval
Expand to Field Instruments

SELECTION GUIDE

Model Name
Device Type
Measurement
Fluid Type

EJX / EJA series
Differential pressure / Pressure transmitter
Temperature transmitter
Liquid / Gas / Steam

YTA series
Temperature transmitter
Gauge / Absolute pressure

ROTAMASS TI series
Mass Flowmeter
Density measurement
Liquid / Gas

ADMAg AXG/AXW series
Magnetic Flowmeter
Flow measurement
Liquid

DY / DYA series
Voice
Flow measurement
Liquid / Gas / Steam

Accurate Marine Approval

Accuracy
Process Temperature
Process Pressure
IP Protection Grade
Output Signal
Communication Protocol
Supply Voltage
Housing Material
Diagnostic Function
SIL

-40 ~ 120°C
-200 ~ 330°C
-194 ~ 350°C
-40 ~ 120°C
-196 ~ 450°C

EJA110D/EJ110J
EJA110G/EJ110J

-4 ~ 20mA
4 ~ 20mA
Pulse / Frequency / Status
HART
EURO MR

Supply Voltage
Housing Material
Diagnostic Function
SIL

Support
Not Supported

Aluminum alloy
Stainless steel

SIL2
SIL2
SIL2/2 (with HFT1)
SIL1

Classification Society

Corresponding ship class standards, accuracy, process temperature / pressure, materials, communication specifications, etc. differ depending on the model name, additional specifications, etc.

Ship Class Standard
A standard established by the ship classification associations of each country based on the unified requirements set by the International Association of Classification Societies (IACS). Products and materials used on ships must be inspected and approved by the classification society according to their type and application.

EURO MR
A mutual recognition system that can be mounted on registered ship class among the 12 classification societies if the certificate issued by 12 classification societies around the world is appropriate. We also use this certification system for temperature transmitters.

YOKOGAWA's Field Instruments Are Very Useful in Marine Applications

Acquired Marine Approval
Expand to Field Instruments

EURO MR
Classification Society
Corresponding ship class standards, accuracy, process temperature / pressure, materials, communication specifications, etc. differ depending on the model name, additional specifications, etc.

Ship Class Standard
A standard established by the ship classification associations of each country based on the unified requirements set by the International Association of Classification Societies (IACS). Products and materials used on ships must be inspected and approved by the classification society according to their type and application.

EURO MR
A mutual recognition system that can be mounted on registered ship class among the 12 classification societies if the certificate issued by 12 classification societies around the world is appropriate. We also use this certification system for temperature transmitters.
Engine Room [Liquid / Gas]

Location of the Engine Control, Generator, Desulfurization Equipment, etc., Known as the Power Source

Robustness for Safe and Secure Operation

- Pressure Transmitter DPharp EJX / EJA Series
  - High Accuracy, Long Term Stability
- Temperature Transmitter YTA Series
  - High Accuracy, Improved Visibility in the Field

Report on Fuel Consumption to Protect the Environment

- Temperature Transmitter YTA Series
  - High Accuracy, Improved Visibility in the Field
- Pressure Transmitter DPharp EJX / EJA Series
  - High Accuracy, Long Term Stability

Cargo Tank [Liquid]

Tank that can Store Various Supplies

Quality that Can Be Thoroughly Managed

- Pressure Transmitter DPharp EJX / EJA Series
  - High Accuracy, Improved Visibility in the Field
- Temperature Transmitter YTA Series
  - High Accuracy, Improved Visibility in the Field

YOKOGAWA’s Field Instruments Are Very Useful in Marine Applications
Web support tool that allows you to select the model that suits your needs. It is a tool that allows you to easily search for the desired product based on your application and conditions.

**FlowConfigurator**

Model selection software

By inputting information such as flow rate range and pressure range, you can select the most suitable model and check the pressure loss and accuracy before purchasing.

General Specifications information of each model here

**Simplified Selection**

We support the selection of the most suitable model for the usage environment

**SMART ASSIST**

FieldMate

A device setting / adjustment tool with excellent operability and abundant functions. Active in various situations at the site.

Product Finder

Access Product Finder here

---

<table>
<thead>
<tr>
<th>Flow rate (100% = 5000 l/h)</th>
<th>Pulse/Frequency output</th>
<th>% l/h</th>
<th>mbar</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>5000</td>
<td>99.57</td>
<td>0.10</td>
</tr>
<tr>
<td>90</td>
<td>4500</td>
<td>85.93</td>
<td>0.10</td>
</tr>
<tr>
<td>80</td>
<td>4000</td>
<td>72.99</td>
<td>0.10</td>
</tr>
<tr>
<td>70</td>
<td>3500</td>
<td>60.76</td>
<td>0.10</td>
</tr>
<tr>
<td>60</td>
<td>3000</td>
<td>49.28</td>
<td>0.10</td>
</tr>
<tr>
<td>50</td>
<td>2500</td>
<td>38.57</td>
<td>0.10</td>
</tr>
<tr>
<td>40</td>
<td>2000</td>
<td>28.68</td>
<td>0.12</td>
</tr>
<tr>
<td>30</td>
<td>1500</td>
<td>19.69</td>
<td>0.15</td>
</tr>
<tr>
<td>20</td>
<td>1000</td>
<td>11.69</td>
<td>0.21</td>
</tr>
<tr>
<td>10</td>
<td>500</td>
<td>4.88</td>
<td>0.38</td>
</tr>
</tbody>
</table>

Accuracy specification based on calibration reference conditions (please refer to current General Specifications for more details).

**Note**: The flow velocity is valid inside the measuring tubes.