Opex Asset Management and Integrity

Versatile Device Management Wizard
FieldMate
Intuitive operability for innovative field work

Next generation of portable field device management software

FieldMate assists easy configuration, adjustment, and functionality test in the field

Quick & Easy access to frequently used functions saves time required for device configuration

Device Status
Color coded status of connected device

Device Info.
Tag, Vendor, etc.

Typical Parameters
Frequently used parameters can be configured to be displayed in main screen

One Click

Generate Work Report

Display all device parameters and compare with saved device data snapshots

Perform Zero Point Adjustment

Support Input Loop Check

Trend graph of acquired data

Check also pipe leaking. (Taro YOKOGAWA)

PT09H7

TRENOGAWA
(0x00037)
EJA NEXT_EXP
(0x375C)
Rev 10
ID 37539188
Write Protect
No
DD Exists: Yes

PRES
0.004 kPa

ENGR DISP
0.00

AO
4.000 mA

LRV
0.000 kPa

URV
20.000 kPa

PRES D Amp
16.000
Intuitive operability for innovative field work

One Tool for All (Multi protocol & Multi vendor Support)

FieldMate can configure devices that use the leading industry standard communication protocols. The supported devices are not only limited to Yokogawa devices but other vendors as well.

Device Configuration & Adjustment Support

- Calibration & Adjustment
- Zero Adjustment after installation
- Loop Check
- Report Generation

FieldMate targets for any device.

Device Calibration & Adjustment Support

- Device calibration work can be performed from the graphical interface by monitoring the input pressure and the current signal.
- Supports the calibration work in combination with Pressure Calibrator CA700.

Zero Adjustment Support

- After installing Yokogawa Pressure/DP transmitters, Zero Point Adjustment can be executed immediately on FieldMate main screen. This saves the time and prevents the wrong operation. Increase plant uptime and confirm accurate measurement.

Input Loop Check Support

- User can configure the loop check pattern (signal output, timing) and execute loop check continuously without stopping. User can manipulate loop check pattern execution, and manually send signal output during loop check execution. This will aid in quick commissioning and plant start-up.

Report Generation Support

- FieldMate can generate reports of configured device, saved data snapshots, comparison of live data and snapshots, and also loop check execution results. This enables proper documentation and record keeping in the plant, and eliminate manual work in creating documentation.
Device Maintenance Support
Powerful platform for innovative field work

Field Calibration
Calibration is possible by swapping the sensor only.

Device parameter confirmation
Loop Check

Calibration Management for Liquid Analyzers
FieldMate provides dedicated functionality for 4-Wire Converter "FLXA402" and SENCOM™ Smart Adapter "SA11".

Local Display
Easy to use graphical display for monitoring, operation, and work log.

Device information output
Sensor and calibration information can be exported to any format you desire.

Direct Access to SA11
FieldMate can connect to SA11 directly.
SA11 can be adjusted in the calibration room.

CENTUM N-IO, Loop Inspection Software (FieldMate Validator)
Enable plant startup works (connection check, device configuration adjustment and Input/Output check) for devices connected to CENTUM N-IO node without the need for FCS.

Make Best Use of Field Data
Assist and Analysis of Field instrument

Asset management with Field data
The collected data in daily work will be used for diagnosis and analysis

Calibration data sample of transmitter
Deterioration will be analyzed with data trend.

Cleaning indication sample of analyzer
Comparing the analyzers' self-diagnosis, environmental effect will be studied.

FieldMate supports not only setting, adjustment and calibration but also loop-check and application test. Operation results and work log are saved to database automatically.

Plant Asset Management is realized with the above collected data. This historical data can be utilized in various ways on Plant Asset Management.

Asset management room
Automatic storage of device data and work log

Field
Synaptic Business Automation creates sustainable value by connecting everything in our customers’ organization. To realize this, Yokogawa integrates its business and domain knowledge with digital automation technologies, and co-innovates with customers to drive their business process transformation.

Software Operation Environment

<table>
<thead>
<tr>
<th>OS</th>
<th>Windows® 10 32 bit/64 bit*1</th>
<th>Windows® 7 Professional 32 bit/64 bit SP1 or later, Windows® 7 Home Premium 32 bit/64 bit SP1 or later</th>
</tr>
</thead>
</table>

*1 Refer to the General Specification (GS 01R01A01-01E) about supported OS version.

Hardware Operation Environment

<table>
<thead>
<tr>
<th></th>
<th>Windows® 10</th>
<th>Windows® 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>1 gigahertz (GHz) or faster processor</td>
<td></td>
</tr>
<tr>
<td>Main Memory</td>
<td>2 GB or more</td>
<td>4 GB or more</td>
</tr>
<tr>
<td>Hard disk space</td>
<td>Windows® 10 compatible</td>
<td>Windows® 7 compatible</td>
</tr>
<tr>
<td>DVD-ROM Drive</td>
<td>1,024×768 or better resolution recommended Windows® 10 compatible</td>
<td>1,024×768 or better resolution recommended Windows® 7 compatible</td>
</tr>
<tr>
<td>Network port</td>
<td>USB port</td>
<td>USB port</td>
</tr>
<tr>
<td></td>
<td>USB FieldMate Modem: BRAIN/HART (Yokogawa option)</td>
<td>NI USB-8486: FOUNDATION™ fieldbus H1 (National Instruments)</td>
</tr>
<tr>
<td></td>
<td>PROFInusb: PROFIBUS (Softing)</td>
<td>ACT-IR224UN-LV96-LE (9600 bps): ISA100.11.a (ACTiSYS)</td>
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<tr>
<td></td>
<td>Isolated RS422/485 USB adaptor SP390A-R2: Modbus (BLACK BOX)</td>
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<tr>
<td>Bluetooth</td>
<td>VIATOR® Bluetooth® Interface: Model 010041: HART (MACTeck®)</td>
<td></td>
</tr>
</tbody>
</table>

Related Product

Pressure Calibrator

CA700

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