

Versatile Device Management Wizard FieldMate



FieldMate[™]

Versatile Device Management Wizard

Bulletin 01R01A01-00E

www.yokogawa.com

vigilantplant.[™]
The clear path to operational excellence

YOKOGAWA 



Versatile Device Management Wizard

The clear path to asset excellence

- Faster plant start-up.**
- Improved maintenance work flow.**
- Reduced maintenance expenditure.**
- No production loss from unplanned downtime.**

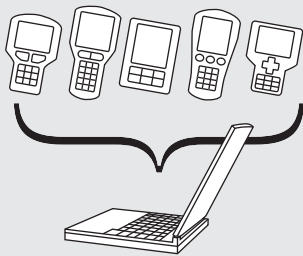
In a nutshell, industry leaders striving for operational excellence are pursuing maximum asset utilization. However, practical tools to face that challenge are still in short supply.

Introducing FieldMate, the integrated tool that opens a clear and practical path to asset excellence. FieldMate enables you to see intelligent field devices clearly, know their condition in advance, and act with agility throughout maintenance work flow.

SEE
CLEARLY

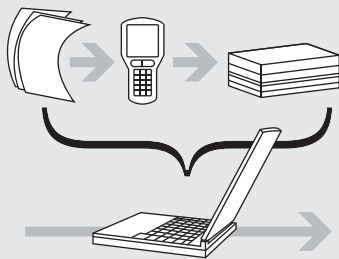
KNOW
IN ADVANCE

ACT
WITH AGILITY



One Tool for All

One integrated tool handles parameter setting for intelligent field devices, regardless of who supply the devices and what particular field communication protocols are used. FieldMate enables quicker device configuration and problem solving, avoiding complex and time-consuming work steps.



One Tool over Device Lifecycle

While doing maintenance work on your field devices, FieldMate automatically stores the maintenance work log. FieldMate supports maintenance work from initial check-in through commissioning and operation, while reducing the unwanted paper trail.



vigilantplant.™

The clear path to operational excellence

FieldMate is a core building block of Yokogawa's VigilantPlant solutions that promise to bring operational excellence to visionary plants, creating an environment where plant personnel can **See Clearly**, **Know in Advance**, and **Act with Agility**.

One Tool for All

Easy and fast device configuration

Before

Previously, a dedicated configuration tool was used per a distinct field communication protocol.

**Many clicks x
multiple configuration tools
=
complex field maintenance work**



After

Now with FieldMate, it is possible to single-handedly manage field devices from multiple suppliers over multiple protocols.

**Few clicks x
one configuration tool
=
field maintenance work efficiency**



Field





Benefits

Faster commissioning and start-up

- Speedy device configuration
- Easy loop testing and better device tuning
- Quick problem solving
- No need to purchase multiple handheld tools
- Quick and more effective training on a single integrated tool

Key Technologies

Versatile connection:

Multi-vendor, multi-protocol support

Easy access:

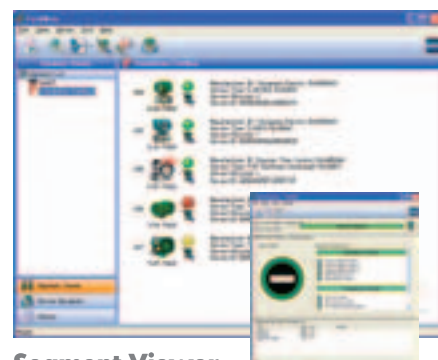
Automatic device data acquisition upon connection to a device or a segment (Segment Viewer)

User-friendly GUI:

Larger display, rich information, keyboard-enabled easy operation

Quick device diagnostics:

Easy acquisition and diagnosis of device status (Device Viewer)



Segment Viewer

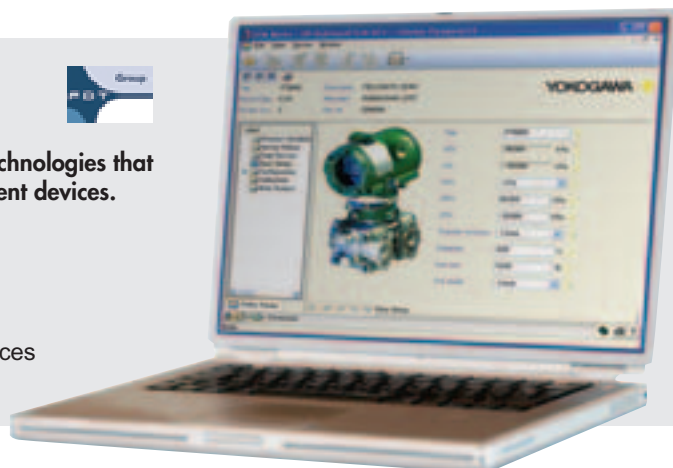
Device Viewer

Innovation



FieldMate fully embraces both the FDT/DTM and DD technologies that promise open, rich, intuitive access to the latest intelligent devices.

- Advanced user interface for diagnostics
- State of the art advanced GUI capabilities
- Power of full windows visualization
- Can build in a Windows HELP system
- Configuration/diagnostics for advanced complex devices



One Tool over Device Lifecycle

Efficient and effective maintenance work

Before

In the past, one (or several) handheld tool and another tool for calibration were both needed, while records were saved in paper form.

**Multiple tools x
Records in paper form**

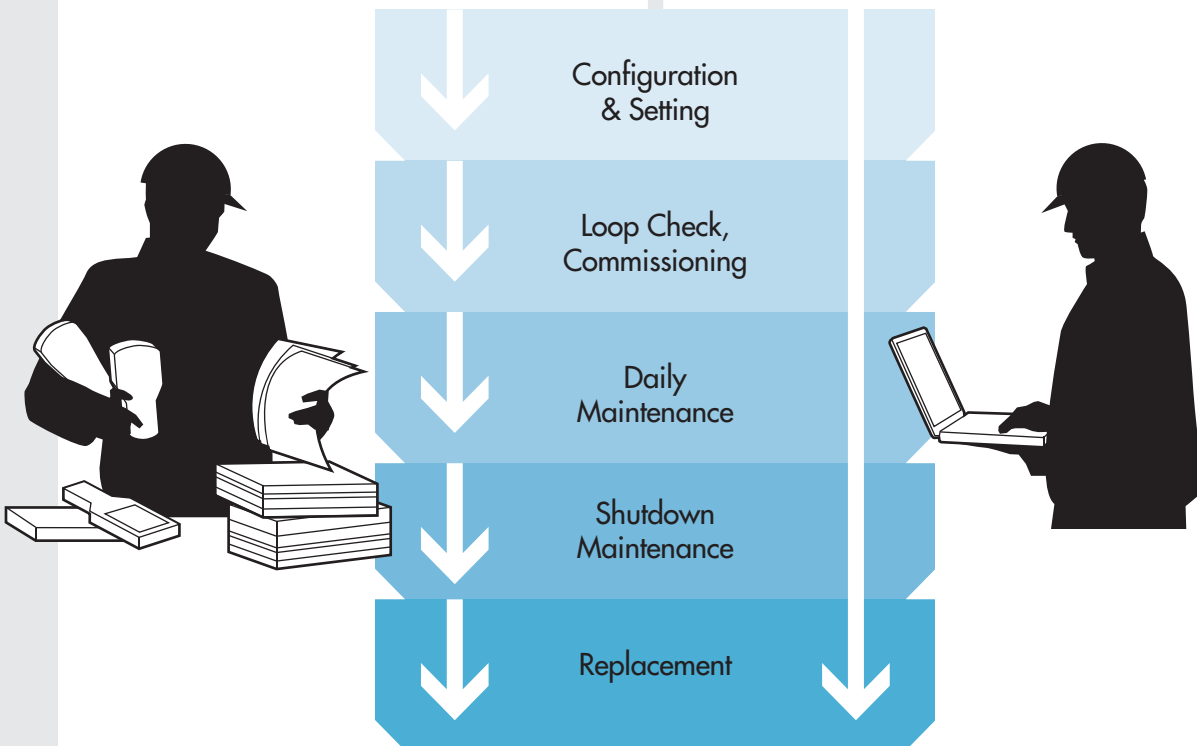
**=
Discontinuous work log and isolated
maintenance know-how**

After

The new FieldMate supports full maintenance work flow, providing a single database as a maintenance work portal.

**One tool x
Record in electronic form**

**=
Traceable maintenance database and
explicit sharing of work know-how**





Benefits



Lifecycle device information management

- Precise device tuning and replacement
- Timely device monitoring and reporting
- Traceable electronic maintenance work log

Key Technologies

Full work flow support:

Interfacing with other field tools for inspection, patrol, calibration, etc.

Automatic recording of work log:

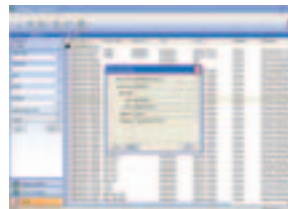
Categorization, sorting, and filtering (History)

Quick device replacement:

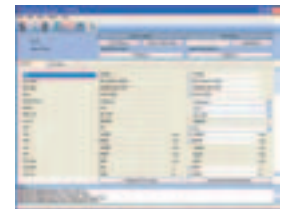
Multi-parameter set-up (Parameter Manager)

Easy device management:

Device information stored in a single database



History



Parameter Manager

Foresight

FieldMate comes with a future evolution path, fully leveraging the device database and maintenance work log in collaboration with Yokogawa's online Plant Resource Manager (PRM).

- Automatic data transfer/equalization with PRM
- Integrated device information management in the central PRM database
- Full and coordinated utilization of predictive diagnostics to help operators and maintenance crews determine the necessary action



Hardware Operating Environment

| | |
|--|---|
| Machine: | IBM PC/AT (or DOS/V) compatible |
| CPU: | Pentium III 1GHz or faster (Pentium M/ Pentium 4 recommended) |
| Main Memory: | 256MB or more (512 MB recommended) |
| Hard Disk Drive: | 8 GB or more (minimum free space: 1GB) |
| CD-ROM Drive: | Windows XP compatible double-speed or faster recommended |
| Display: | 256 colors or more, 1024×768 or better resolution recommended |
| Network port: (for HART devices) | One USB port or one RS-232C port |
| Network port: (for FOUNDATION Fieldbus devices) | One PCMCIA card slot or one PCI card slot (for NI-FBUS card) |
| Option: | USB HART modem |

Software Operating Environment

| | |
|------------|--|
| OS: | Windows XP Professional SP1 or above (English) |
|------------|--|

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.

A Yokogawa Commitment to Industry

vigilance[®]



What does Yokogawa **vigilance** mean to the future of your business? **Quality**. Through products that are built from the ground up and tested to the last hour, you're ensured continuous operation and more uptime. **Innovation**. Your business will benefit from new insights and capabilities, bringing true predictability to your process. **Foresight**. As the market changes, you'll have solutions that give you the continuity and flexibility to plan ahead and grow. Our partners know the difference. With Yokogawa, you can count on a lifetime of plant efficiency, from instrumentation to operation support. Let us be vigilant about your business.

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