Live Logic Analyzer
(for WideField3 R3.01 or later)

User-friendly engineering feature to leapfrog your debugging

Multi-point tracing of the control state (device values) in high-speed applications. Real-time capture of the operating state in production applications enables efficient detection of any control timing difference or delay.

- **Traces actual production performance because of fast CPU processing, CPU-scan-independent tracing and parallel peripheral processing**

  - The trace runs with minimal impact on the CPU scan and thus reflects actual production performance.
  - USB and Ethernet peripheral processing run in parallel independently without affecting the CPU scan.

- **Concurrent multi-point tracing slashes debug time!**

  - Up to 96 data points (64 relays and 32 registers) can be traced concurrently.
  - Even advanced-function I/O devices can be traced.
  - User marker can be defined for any condition to easily detect any desired phenomenon.
  - Once started, trace result can be displayed anytime, allowing concurrent program debugging even during tracing.

Live Logic Analyzer Introduction movie released on FA-M3 website (www.yokogawa.com/itc)!
### Powerful HMI

**Easy registration, configuration and operation**

1. **Registration**
   - Simply drag-and-drop from a ladder program or copy-and-paste from a common tag name definition.
   - The tracing devices are registered instantly!

2. **Operation**
   - Zoom in on any trace area on the main window to see an enlarged display in a separate frame.
   - Split a window horizontally or vertically, or display two windows concurrently.

3. **Operation**
   - Overlap waveforms or display a cursor simply using a mouse.

*More!* Trace results can be saved as a screen image or in CSV format.

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**User marker enables pin-point search of massive trace data**

1. **User marker**
   - Define the user marker condition as a specified device state.

2. **User marker**
   - A mark is displayed at every trace position where the user marker condition is true.

3. **User marker**
   - A user marker history log is also displayed.

*More!* You can instantly jump to and center the display on any user marker or any user-defined cursor.

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**Caution**

- For proper and safe use of this product, read the user manual thoroughly.
- If faults of this product are expected to result in accidents or losses, install additional external protection and/or safety circuits.
- If the product is to be used in applications which may directly affect or threaten human lives and safety, such as railway facilities, aviation and space navigation, medical equipment or transport equipment, please contact Yokogawa’s sales office.

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**vigilantPlant**
The clear path to operational excellence

**SEE CLEARLY**
**KNOW IN ADVANCE**
**ACT WITH AGILITY**

VigilantPlant is Yokogawa’s automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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