

# FOUNDATION™ Fieldbus Segment Indicator FVX110



The FVX110 is a segment indicator that can alternatively display up to 16 process values of FOUNDATION™ Fieldbus devices. This is used at the field to check process values of field devices which are installed at inaccessible locations, such as in the vicinity of a distillation column where the ambient temperature is high or an upper position of a tall tank.

The FVX110 is the world's first product that supports the FF-912 self-diagnosis alarm specification conforming to NAMUR NE107.



FVX110 FOUNDATION Fieldbus Segment Indicator

## FEATURES

- **Multiple process values displayable**  
Supporting the FOUNDATION Fieldbus, this indicator can display the outputs of field devices from different vendors. The FVX110 can display up to 16 process values.
- **Display switching function**  
The rotary knob (scroll knob) on the main body makes it easy to switch the display among multiple process values. Changing the rotating speed switches between two switching modes.
  - Rotating the knob with the speed of about 90 %/sec or slower changes the entire screen.
  - At the speed of about 180 %/sec or faster, the switching mode changes to continuous display switching mode (scanning mode) where the data display changes sequentially one by one.

- **Displaying abundant contents**

The display has a three-line configuration: top, center, and bottom. Not only a process value and measuring unit but also field device identification information (e.g. tag numbers), a communication status, bar graph, display number, etc. can be displayed. The full dot-matrix LCD enables much information to be displayed.



Full dot-matrix LCD with LED backlight

- **Other functions**

In addition to the functions as a segment indicator, the FVX110 has PID function blocks, software download function, link master function, etc. which enhance the capability of the instrumentation of customers' plants.

## SPECIFICATIONS

- **Communication line requirements**  
Supply voltage: 9 to 32 V DC  
Current consumption (steady state ): max. 15 mA,  
(software downloading state ): max. 24 mA
- **Environmental conditions**  
Ambient temperature : - 20 to 70 °C  
Ambient humidity: 0 to 100% RH
- **Display**  
84 × 32 full dot-matrix LCD with LED backlight
- **Housing material: Aluminum alloy casting**  
ASTM CF-8M (SUS316 equivalent) casting
- **Degree of protection**  
IP67, NEMA4X
- **Built-in function blocks**  
MAO × 2, IS × 2, AR × 2, PID × 2, SC, IT

## Contact us

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