EcoStruxure™

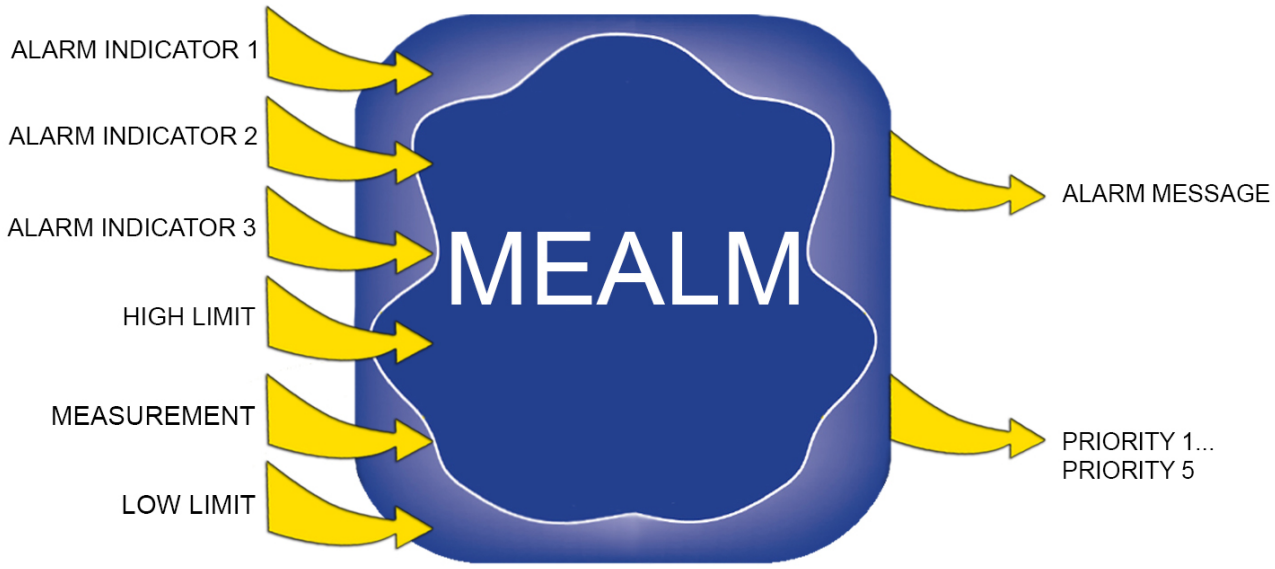
Foxboro™ DCS

Measurement Alarm (MEALM) Block

PSS 41S-3MEALM

Product Specification

May 2019



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Legal Information

Overview

The Measurement Alarm (MEALM) block activates process alarming for detected alarm conditions in Intelligent Field Devices and in control schemes requiring measurement alarms.

The MEALM block receives the alarm indicator, measurement value, and the limits related to the alarm condition. Three types of alarming for the measurement input are available:

- High-low absolute alarming
- Rate-of-change alarming
- High-high/low-low alarming

For each alarm type, the block generates alarm and return-to-normal messages. These alarm and return-to-normal messages may be user-defined. In the case of the Hydrostatic Tank Gauge, engineering units for the measurements and limits are imported from the local ECB13 supporting the HTG. Optionally, a bad measurement value status generates a bad alarm message.

Alarm detection and/or alarm messages can be inhibited for all alarm types or for individual alarm types.

Standard Features

- Auto/Manual mode
- Alarm message generation
- Alarm acknowledgement support
- Bad input status detection and handling
- Alarm and/or alarm message inhibit

Options

- Bad measurement status alarm
- Inhibit options

Additional Features

- Delayed alarming. A configurable timer delays alarm detection or return-to-normal messages for a specific alarm to reduce the number of alarm messages generated when a block parameter crosses back and forth over an alarm limit.

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov/.

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As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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