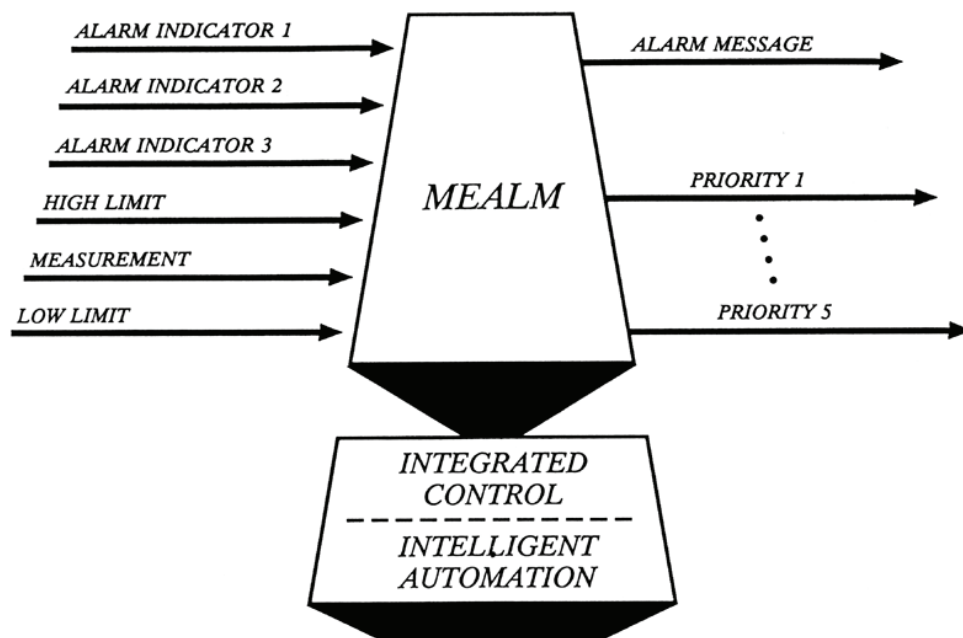


I/A Series® Software

PSS 21S-3L8 B4

Measurement Alarm (MEALM) Block



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

OVERVIEW

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

CP270 (WITH I/A SERIES V8.4 OR LATER) 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.



33 Commercial Street
Foxboro, MA 02035-2099
United States of America
www.foxboro.com
Inside U.S.: 1-866-746-6477
Outside U.S.: 1-508-549-2424
or contact your local Foxboro
representative.
Facsimile: 1-508-549-4999

Invensys, Foxboro, and I/A Series are trademarks of Invensys plc, its subsidiaries, and affiliates.
All other brand names may be trademarks of their respective owners.

Copyright 1994-2008 Invensys Systems, Inc.
All rights reserved

MB 21A

Printed in U.S.A.

0608