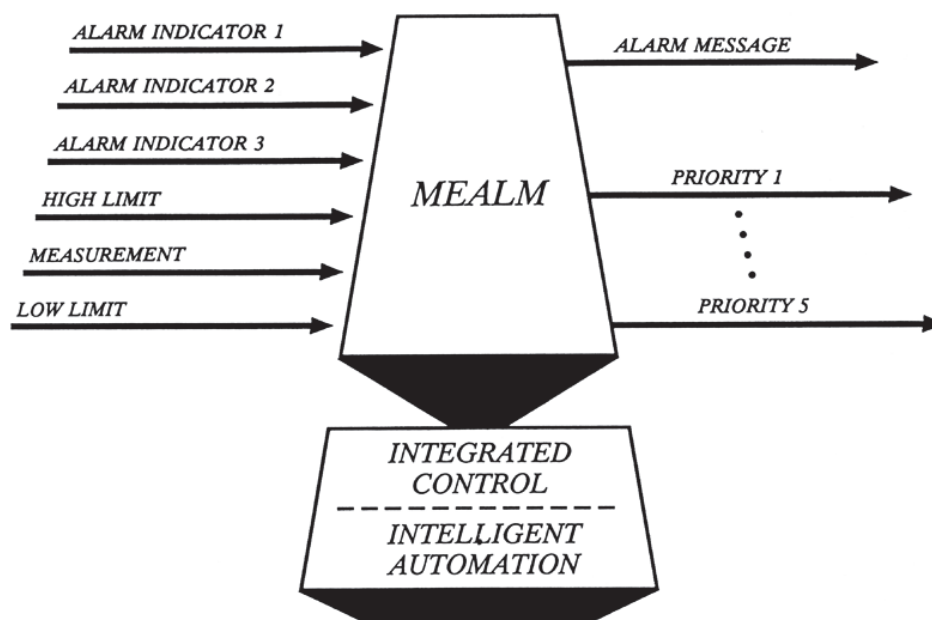


## Measurement Alarm (MEALM) Block



*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.

## 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.