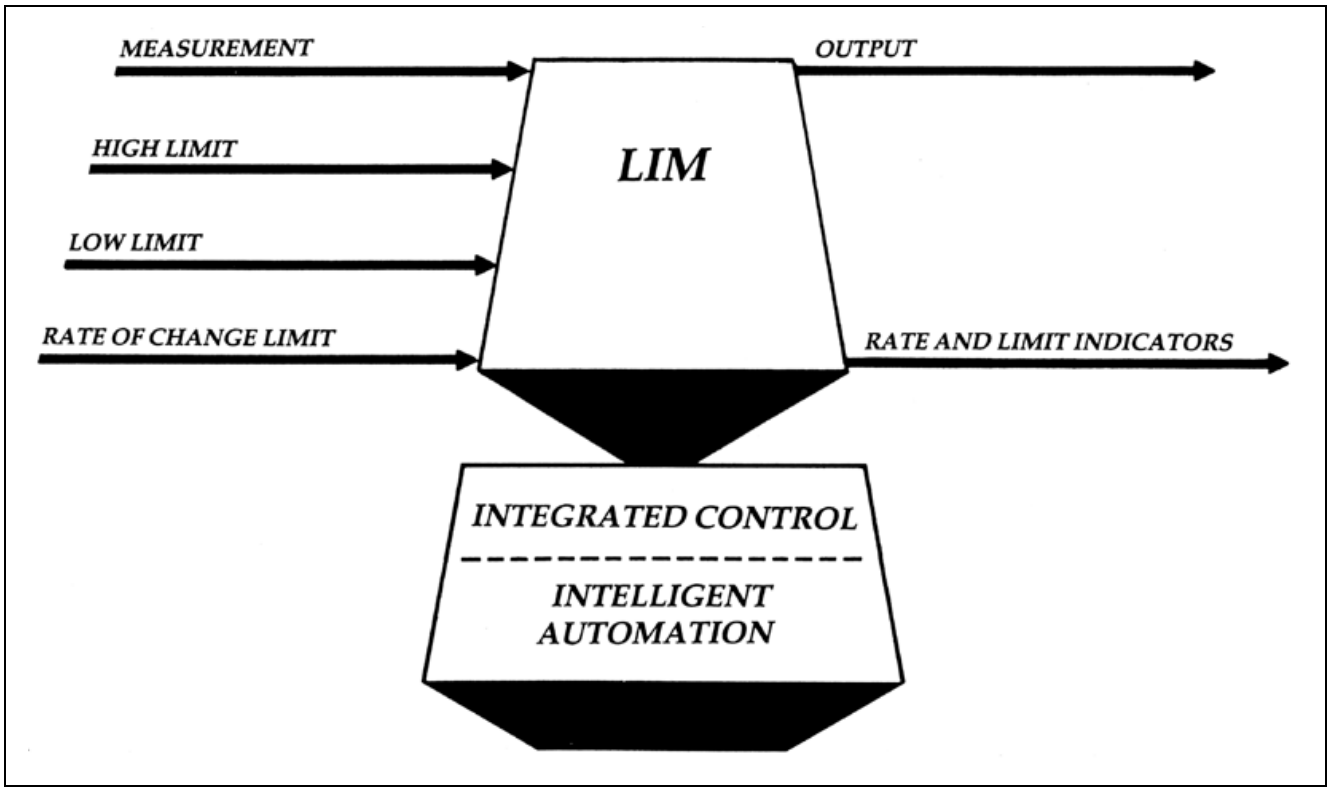
I/A Series® Software
Positional/Rate Limiter (LIM) Block



The positional/rate Limiter (LIM) block is a signal positional/rate limiter for high-low absolute and rate-of-change limiting of the measurement input.

OVERVIEW

The LIM block provides rate-of-change limiting and high-low absolute limiting of the measurement input at the block's output. Rate-of-change limiting is performed on an optional basis. The amount of rate limiting is determined by the rate-of-change limit parameter, which represents the maximum absolute rate-of-change that the output can exhibit. A scaling factor specifies the units of time of the rate-of-change parameter so that the ratio of the fixed units of the measurement signal are dimensionally compatible with the rate-of-change over the block's time interval. Also provided are user-specifiable high and low engineering unit scales for the output and variable output limits. The block supports auto/manual output control. An input forces the output to track the measurement.

STANDARD FEATURES

- Manual/Auto control of output
- Follow input
- High-low absolute limiting (clamping) with Boolean output indicators

OPTION

- Rate-of-change limiting with Boolean output indicator

The Foxboro Company
33 Commercial Street
Foxboro, Massachusetts 02035-2099
United States of America
http://www.foxboro.com
Inside U.S.: 1-508-543-8750 or 1-888-FOXBORO (1-888-369-2676)
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