## Rosemount 3051S MultiVariable<sup>™</sup>Transmitter

## SAVE \$288,000 A YEAR IN LOST STEAM BY ELIMINATING MEASUREMENT ERRORS

Eliminate bias error in flow measurement with the Rosemount 3051S MultiVariable Mass and Energy Flow Transmitter.

• Eliminate Measurement Errors

The 3051SMV eliminates measurement errors caused by gas expansion.

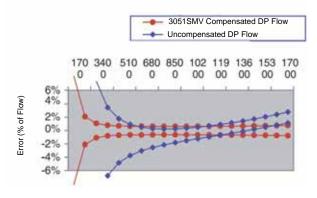
• Address Six Flow Rate Measurement Factors

The 3051SMV accounts for changes in the discharge coefficient, velocity, bore diameter, density, and gas expansion.

• Eliminate Bias Error

Real time flow calculations performed by the 3051SMV ensure the greatest DP flow accuracy across the widest operating range of any mass flow transmitter on the market.

## Flow Rate Uncertainty Comparison



A steam generation facility provides steam for 80 large office buildings, each with its own transmitter installation.

• 1% of the Lost Steam Is Recovered For Each Installation Each Month

Steam recovery was more than 1% during low-output months.

• \$300 Savings Per Installation Per Month

Total steam dollar flow rate per installation is approximately \$30,000. One percent recovery translates into \$300/month.

Billing Efficiency Increases \$288,000 Annually

The utility in this example saves \$300 monthly at 80 installations.

 $($300 \times 80) \times 12 = $288,000$ 

Bias error reduction from advanced flow compensation is only one reason to install the 3051SMV. Accurate measurement of multiple variables, flexible and less intrusive connection configurations, and compact packaging make the 3051SMV an easy choice for DP mass and energy flow measurement installations.





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Emerson Process Management Rosemount Measurement 8200 Market Boulevard Chanhassen MN 55317 USA Tel (USA) 1 800 999 9307 
 Tel (USA) 1 800 999 9507
 Switzenand

 Tel (International) +1 952 906 8888
 Tel +41 (0) 41 768 6111

 Fax +1 952 949 7001
 Fax +41 (0) 41 768 6300
Fax +1 952 949 7001

**Emerson Process Management** Blegistrasse 23 P.O. Box 1046 CH 6341 Baar Switzerland

**Emerson FZE** P.O. Box 17033 Jebel Ali Free Zone Dubai UAE Tel +971 4 811 8100 Fax +971 4 886 5465 **Emerson Process Management Asia Pacific** Pte Ltd 1 Pandan Crescent Singapore 128461 Tel +65 6777 8211 Fax +65 6777 0947 Service Support Hotline : +65 6770 8711 Email : Enquiries@AP.EmersonProcess.com

