

**Siemens Process Instrumentation**  
strengthens its activities within flowmetering



Special Publication

# process AUTOMATION

**SIEMENS**

# Ultrasonic clamp-on flowmeters from Controlotron strengthens Process Instrumentation of Siemens

Controlotron, situated in Hauppauge (New York) was founded in 1962 by Joe Baumel and marketed its first Clamp-on Ultrasonic meter in 1972.

Controlotron is leading in the development of the Clamp-on technology for the ultrasonic flowmeters, which today is used in approx. 50% of all ultrasonic applications for fluids and gases. The patented wide-beam technology of Controlotron makes it possible to combine the advantages of the non-intrusive Clamp-on technology with a high measuring accuracy and temperature independence of the intrusive measuring

principle. By this Controlotron won a leading market position within the oil and gas industry.

Controlotron will be the Center of Competence (CoC) for ultrasonic flow measurement within the Siemens PI Group.

Through the integration of the innovative ultrasonic flowmeters from Controlotron, Siemens will in future offer an even wider product range in process instrumentation. With this product expansion, the portfolio will be strengthened durably, especially within the industries oil & gas, chemical, food & beverage and HVAC.

## CONTROLOTRON Ultrasonic clamp-on flowmeters:



### SITRANS FUE1010

Non-intrusive thermal energy flowmeters for submetering and energy efficiency monitoring. Dedicated & portable models available.

DN: 1/4" ... 360"  
(6.4 mm ... 9144 mm)  
Calibratable Accuracy:  
 $\pm 0.25\%$  ...  $2\%$ , application dependent



### SITRANS FUS1020

Low cost non-intrusive liquid flowmeter for water/wastewater & general use. Has the functions and features needed for general liquid applications.

DN: 1/4" ... 360"  
(6.4 mm ... 9144 mm)  
Accuracy:  $\pm 0.5\%$  ...  $1\%$



### SITRANS FUS1010

Dedicated non-intrusive liquid volumetric flowmeters for water/wastewater & general use with dual-mode Transit-Time/Reflexor operation. Also available as portable non-intrusive liquid flowmeters, battery operated. An integral datalogger stores all measured variables.

NEMA 4 and explosion proof (NEMA 7) models available.

DN: 1/4" ... 360"  
(6.4 mm ... 9144 mm)  
Accuracy:  $\pm 0.5\%$  ...  $1\%$



### SITRANS FUG1010

Non-intrusive gas flowmeters for process and natural gas. Can be field installed for checkmetering, flow survey verification and allocation applications.

DN: 1" ... 60"  
(25 mm ... 1500 mm)  
Calibratable Accuracy: to  $\pm 0.15\%$



### SITRANS FUP1010

Non-intrusive flowmeters for liquid hydrocarbons. With volumetric & mass measurement for leak detection, custody transfer and checkmetering.

DN: 1/4" ... 360"  
(6.4 mm ... 9144 mm)  
Calibratable Accuracy: to  $\pm 0.15\%$

# Your Siemens partners worldwide

Contact us on the Internet at  
**[www.siemens.com/processinstrumentation](http://www.siemens.com/processinstrumentation)**



*The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.*

*All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.*



*Outside North / South America:*

**Siemens AG**  
Automation and Drives (A&D)  
Process Instrumentation and Analytics  
76181 KARLSRUHE  
Germany  
Tel. +49 (721) 595-4560  
Fax +49 (721) 595-4100  
[www.siemens.com/processinstrumentation](http://www.siemens.com/processinstrumentation)

*In North/South America:*

**Siemens Energy & Automation, Inc.**  
Process Solutions Division  
1201 Sumneytown Pike  
P.O. Box 900  
Spring House, PA 19477-0900  
Tel: 1-800-365-8766

[www.sea.siemens.com/ia](http://www.sea.siemens.com/ia)