

# SIEMENS



## PROCESS INSTRUMENTATION

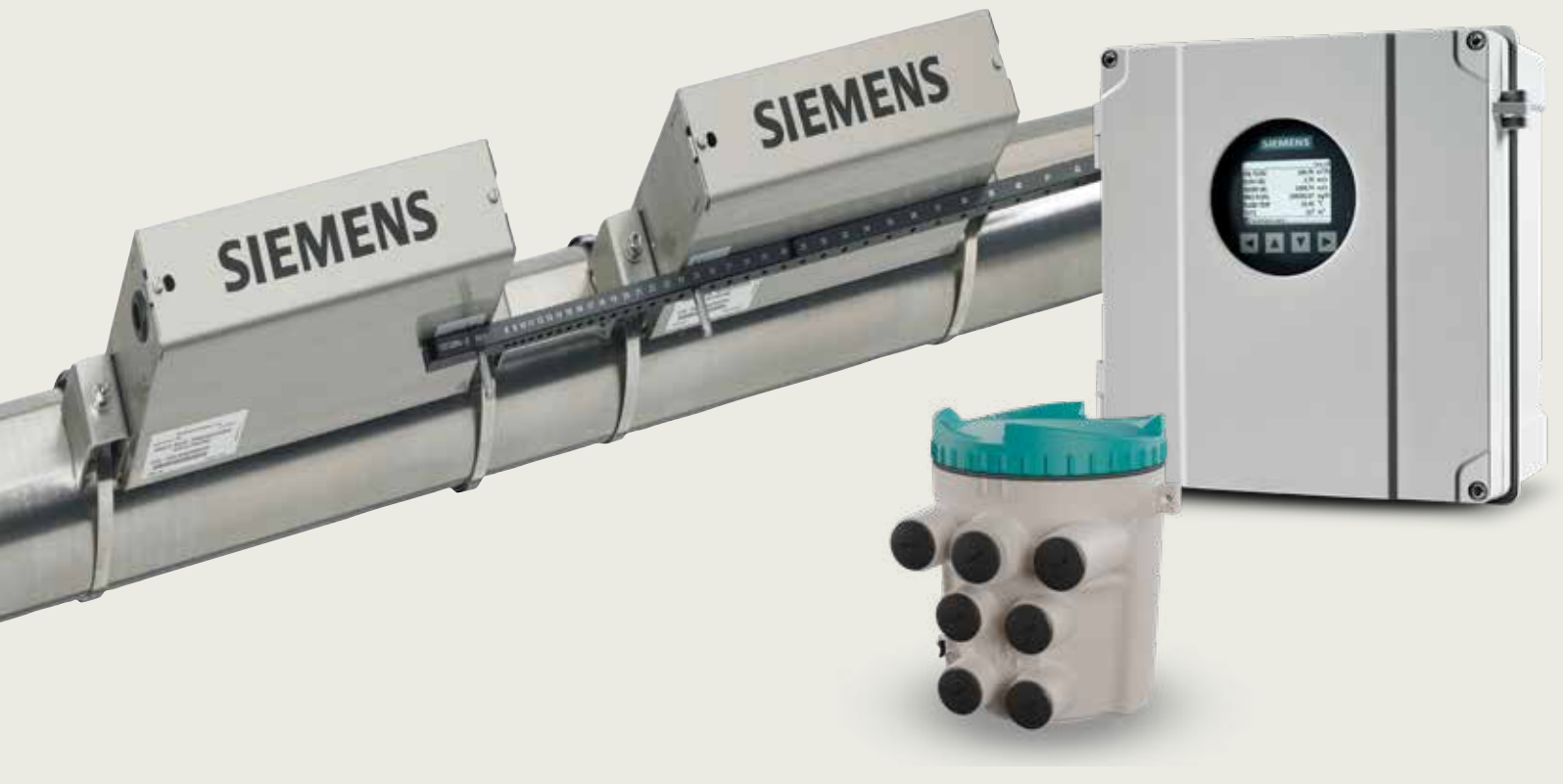
# Siemens next-generation gas storage well flow measurement

[usa.siemens.com/clamp](http://usa.siemens.com/clamp)

Siemens is proud to announce a new generation in high accuracy gas storage well, flow measurement. Gas well flow measurement offers many unique challenges, that the latest clamp-on ultrasonic flow meters have been specifically designed to meet, at a price point that makes them the meter of choice!

### Benefits:

- Non-Intrusive – no need to cut pipe or stop the flow
- Fastest data update rate of 100Hz
- Maintains bi-directional flow accuracy with insufficient straight pipeline runs – (Patented)
- Measurement corrected for pipe expansion and contraction
- Configurable I/O with Modbus RTU, and a selection of analog inputs and outputs
- Class 1 Div 1/2 FM approvals
- 1-4 flow measurement paths with greater cross sectional averaging for improved accuracy
- RTD and analog inputs
- Minimal maintenance; external sensors do not require periodic cleaning
- No moving parts to foul or wear
- No pressure drop or energy loss
- Wide turn-down ratio



## Technical data at a glance

Minimum pressure for Gas	100 ... 145 psi, typical (gas composition and application dependent; plastic pipes support operation at atmospheric pressure)
Accuracy	± 0.5 ... 1 % of rate for velocities above 1 f/s and >10 diameters straight run
Repeatability	± 0.25 % (based on ISO 11631)
Pipe size range	0.5" ... 60"
Approvals	FM/FMc Class I Div. 1 (Sensors: Class I Div. 1/2)
Enclosure	Material Aluminum Rating IP66/67, Nema 0 (1 mH2O for 30 min.)
Power	24 -90dc and 100 - 240Vac
Output	Modbus RTU, frequency, current, pulse and relay
Inputs	1000, 500, 100 Ohm RTD inputs, and configurable 4-20mA inputs
Datalogger	Internal Data logger with 4Gb standard upgradeable to 32Gb
Temperature:	-40 ... +140 °F (in operation)
Measurement paths	1 to 4

**Legal Manufacturer**  
 Siemens Industry, Inc.  
 100 Technology Drive  
 Alpharetta, GA 30005  
 United States of America  
 Telephone: +1 (800) 365-8766  
[usa.siemens.com/pi](http://usa.siemens.com/pi)  
 Order No.: PIFL-00137-0123