

# SIEMENS



## PROCESS INSTRUMENTATION

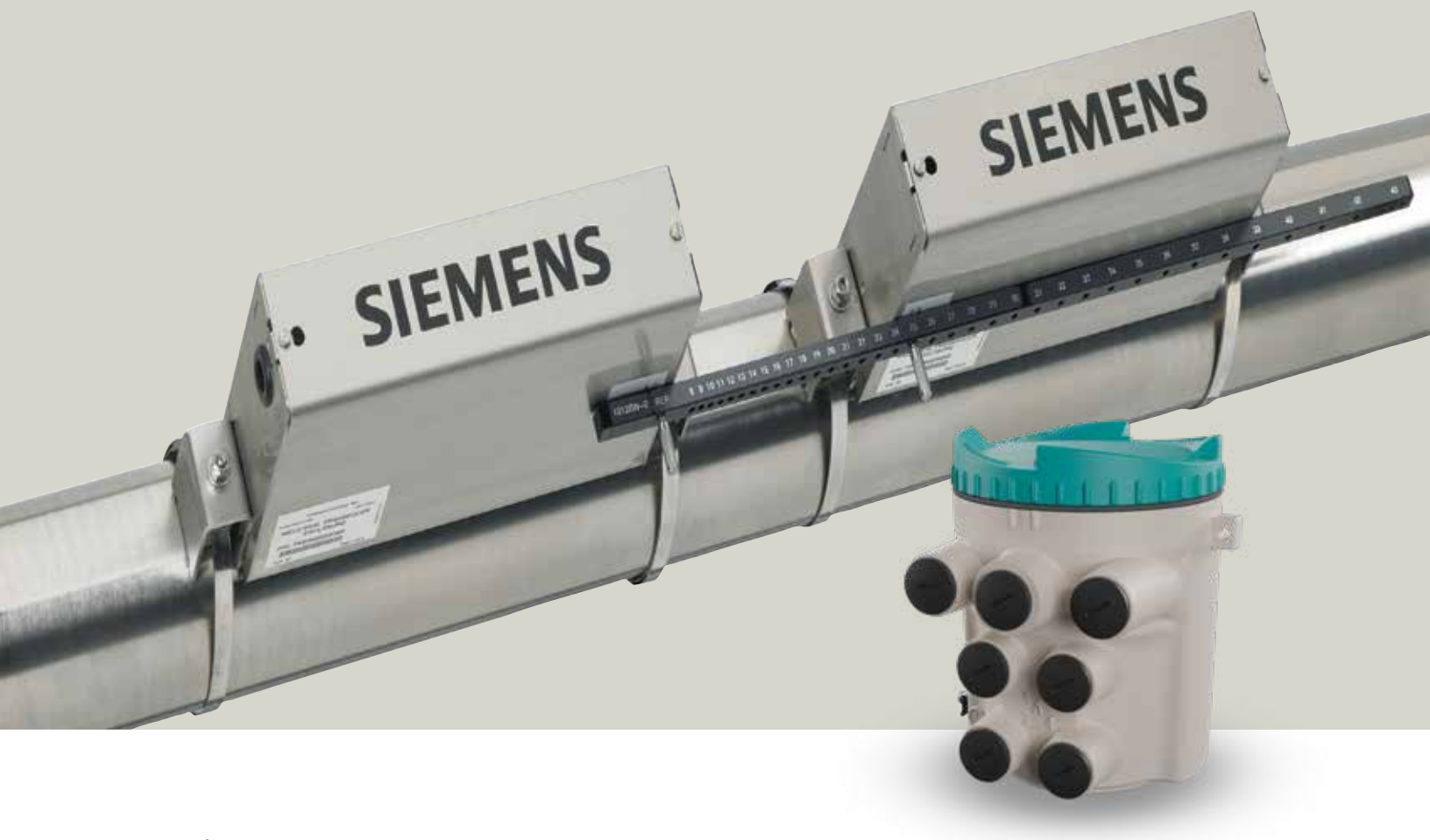
# Siemens next-generation Gas FS-DSL gas storage well flow measurement

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

Siemens is proud to announce a new generation in low power 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
- Low cost – designed to meet demanding remote gas storage flow measurement requirements
- Lowest power draw in the industry – as low as 650 mW
- Fastest data update rate of 100Hz
- Maintains bi-directional flow accuracy with insufficient straight pipeline runs – (Patented)
- Measurement corrected for pipe expansion and contraction
- Small and robust installed footprint
- Class 1 Div 1 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	2" ... 56"
Approvals	FM/FMc Class I Div. 1 (Transducers: Class I Div. 1/2)
Totalizer	Three counters for forward, net and reverse flow
Enclosure	Material Aluminum Rating IP66/67, Nema 0 (1 mH2O for 30 min.)
Power	Voltage: 15 to 30 Vdc Current: 2 to 20 mA Power: 650mW to 750mW
Output	Modbus RTU
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)  
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