

Sonix2000 vs. Rotary Meters

Compare the Benefits

Feature/Characteristic	Sonix2000	3000cfh Rotary Meter	Sonix Benefits
Measurement Type	Flow velocity	Positive displacement	Allows unobstructed flow of gas that will not shut off customers.
Technology	Digital electronic	Mechanical	Mechanical devices are susceptible to wear, which require periodic preventative maintenance to maintain published accuracies.
Accuracy	±1% constant	±1% variable	The Sonix meter is not susceptible to mechanical changes and will remain accurate throughout its life
Flow Rate @ 5" w.c. (cfh)	2000	2580	
Maximum Flow Rate (cfh)	3000 @ 1.3" w.c.	3000 @ 1.1" w.c.	Running rotary meters above their rated capacity can cause damage. Over ranging a Sonix meter does not damage it, and it will continue to measure accurately.
Max. Working Pressure (psig)	60	175	The majority of applications for meters in this size are installed in 60 MAOP systems or less.
Temperature Compensation	Integral ± 1% from -30° to +130°F	Additional device & cost less accurate	Temperature compensation requires an extra device in rotary meters. The accuracy, range and cost of TC correction is dependent upon the added device.
Pulse Output	Two integral/digital	Additional device & cost	Built in at no additional cost
Data Log	60-day Integral	Additional device & cost	Built in at no additional cost
Self Diagnostics	Comprehensive with alarm pulse output standard	None - site visit and differential testing required	A full array of continuous health checks that monitor the meter, flowing conditions and the installation. Interface potential with AMR/AMI systems.
Calibration Sensitivity	Digital 0.04% Speed and Slope Increments	Mechanical 0.20% Speed only increments	Set it where you want it; close enough is no longer the "standard."
Contamination and Freezing Effects	Minimal	Significant	Worry-free operation for you and the customers, plus dependable Sonix accuracy.
Warranty	15 years meter 10 years battery	1 year	Unmatched reliability
Tampering Detection	Integral	Not available	Standard Sonix diagnostic function
Maintenance	10 year battery change	Recommended monthly oil level inspection/oil change every 3-5 years	Set and forget it
Installation	No limitations	Level within 1/16" per foot	
	Filter Flow Conditioners not required	100 Mesh screen recommended	
	Immune to piping stress	Piping stress may cause meter to be inoperable	
Base Price	Same	Same	Prices vary, but under typical competitive circumstances are within ±5% of each other. Contact your Sensus representative for details.
Add:			
Temperature Compensation	Additional	Additional	Sonix is well-featured at no additional cost. An advanced electronic platform allows functionality that you pay extra for in a mechanical meter to be built right in. Sonix is a single-source solution.
Fixed Pressure Compensation	Standard	Additional	
Live Pressure Compensation	Additional	Additional	
60-Day Data Log	Standard	Additional	
Two Pulse Outputs	Standard	Additional	
Total	~ \$300	~ \$1,000	*prices shown are Sensus estimates



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