

BATTLECARD

AG3000 SERIES FLANGED MAGMETER



Quick Facts

- Spool-type electromagnetic flowmeter
- For use in irrigation applications with 4" - 12" pipe
- No moving parts provide unobstructed flow
- Resistant to wear from debris
- No bearings or propellers means low maintenance
- Minimal straight pipe requirements - 2 diameters up and 1 diameter down
- Both rate and total indication are displayed
- Bidirectional flow reading (totals available in forward, reverse, and net)

Markets

- Agricultural and Irrigation

Applications

- Irrigation
- Chemigation
- Variable Rate Irrigation
- Agricultural Automation
- Well Usage Monitoring
- Dairy Lagoons

Model Comparison

Meter	AG3000 (Base Model)	AG3000p (Premium Model)	AG3000r (Remote Display Model)
Power	DC power, battery available	AC or DC Power, battery available	AC or DC Power, battery available
Built-In Data Logging	Available	Available	Available
Standard Output	One Pulse	One Pulse and 4-20mA	One Pulse
Available Alternate Outputs	<ul style="list-style-type: none"> • 4-20mA loop • HART protocol • High speed digital • Modbus® 	<ul style="list-style-type: none"> • HART protocol • High speed digital • Modbus® 	<ul style="list-style-type: none"> • 4-20mA loop • HART protocol • Modbus®
Remote Display	No	No	Yes

Features

- Easy Setup
- Minimal straight pipe
- Telemetry ready - for wireless meter reading
- Tamper-evident seal
- IP68 rated
- Built-in Data Logger (*Optional*)
- Bidirectional Flow Reading (*Standard*)
- Pulse Scaled Output (*Standard*)
- 4-20mA Output (*Optional*)
- HART Protocol Output (*Optional*)
- Modbus® Protocol Output (*Optional*)
- High Speed Digital Output (*Optional*)
- Battery Power (*AG3000 battery model only*)
- External DC Power (*Optional*)
- AC Power Supply (*Optional**)
- Remote Display (*AG3000r*)

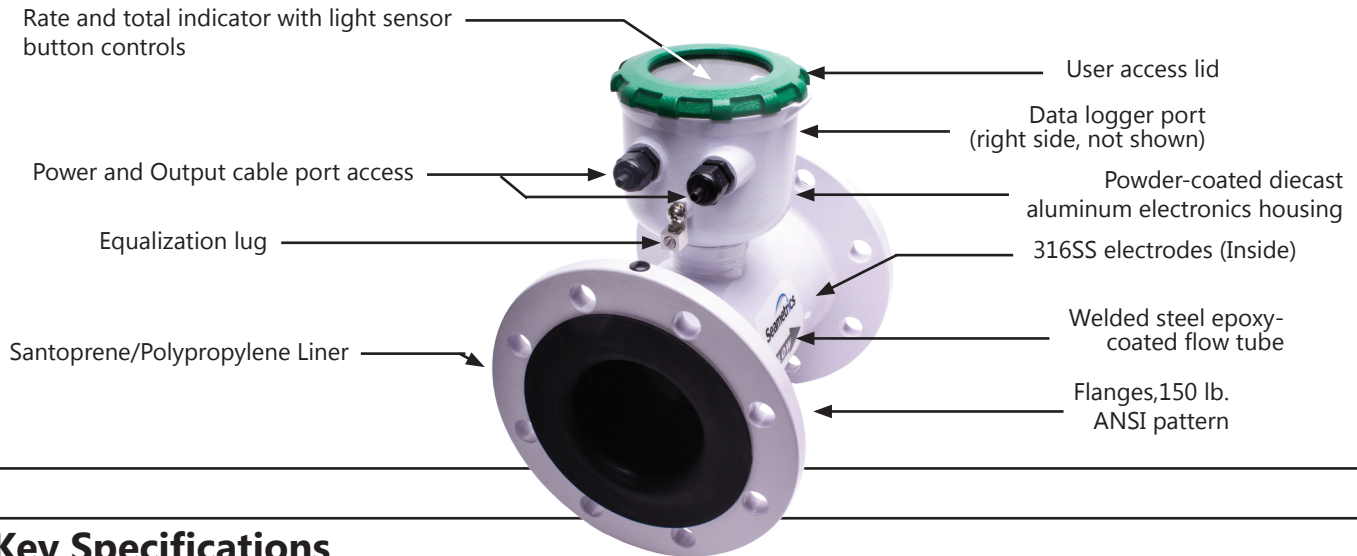


Competitors

- McCrometer: MO300, Mc Mag3000
- Lindsay: IM3000
- Sparling: TigerMag
- Siemens: MAG 8000



Meter Anatomy - AG3000 Base Unit (also available with AC or DC power, and remote display)



Key Specifications

Pipe Sizes	4", 6", 8", 10", 12" (For 3" version, see AG2000-300.)						
Display	Type	128x64 dot-matrix LCD					
	Digits	5 Digit Rate			8 Digit Total		
Units	Rate Volume Units		Rate Time Units	Total Volume Units			
	Please Note: All AG3000 meters are factory set for gallons per minute (GPM) rate and gallons total. If other units are required, they can be set in the field.	Gallons Liters Barrels(42 gal) Cubic Feet Cubic Meters	Million Gallons ² Mega Liters Imperial Gallons Million Imperial Gallons ²	Second Minute Hour Day	Gallons Gallons x 1000 Million Gallons Liters Kilo Liters Mega Liters Barrels(42 gal)	Cubic Meters Cubic Meters x 1000 Cubic Feet Cubic Feet x 1000 Million Cubic Feet	Imperial Gallons Imperial Gallons x 1000 Million Imperial Gallons
		Bidirectional ¹					
Power	DC Power	9-36 Vdc @ 250 mA max, 30 mA average					
	Battery Backup	DC powered units: Two lithium 3.6V 'D' batteries, replaceable. AC powered units: One 9V alkaline battery, replaceable.					
	AC Power (AG3000r and AG3000p only)	85-264Vac, 50/60Hz, 0.12A					
	Battery (AG3000 only)	Two lithium 3.6V 'D' batteries, replaceable.					
Scaled Pulse Output	Signal	Current sinking pulse, isolated, 36 Vdc at 10 mA max					
	Pulse Rates	User-scalable from 0.1 to 99,999.9 volume units/pulse. Pulse width is one-half of pulse period with minimum pulse width of 2.5 ms, 200 pulses/sec max, 150 pulses/sec max with battery option					
Options	4-20mA Current Loop	Isolated, passive, 24Vdc, 650 Ω maximum current loop					
	HART/4-20mA	HART protocol over 4-20mA line					
	High Speed Digital Output (AG3000 and AG3000p only)	Isolated, open collector, 24 Vdc					
	Serial Communications	Isolated, asynchronous serial RS485 (Reconfigurable for RS232 or 3.3V CMOS), Modbus® RTU protocol (factory selectable)					
Regulatory	CE (EN 61326)						
Environmental	IP68 (10ft (3m) depth, continuously)						