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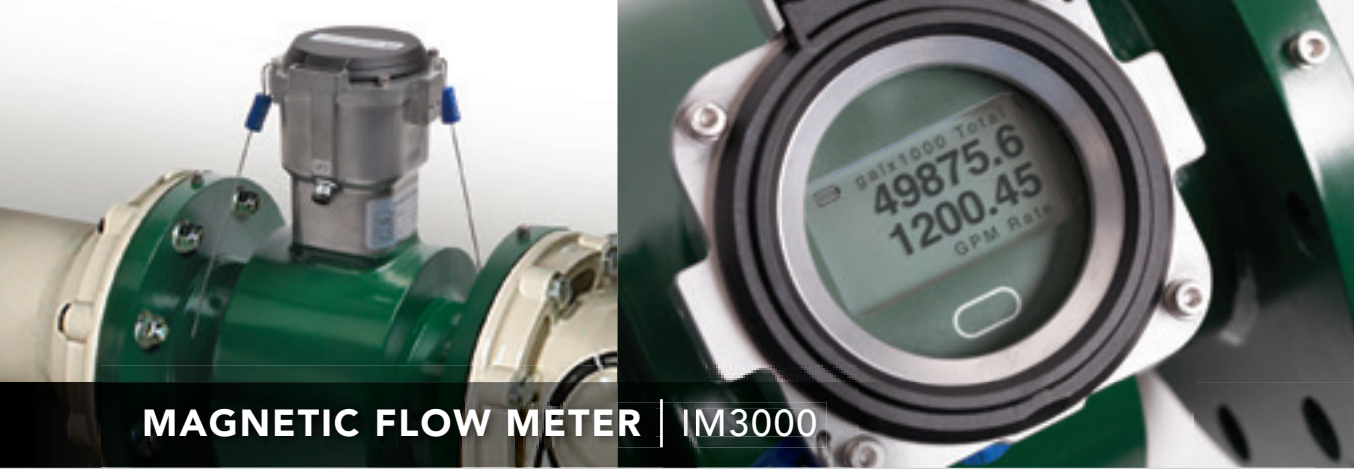
WATER CONTROLS
& PUMP SYSTEMS
808-876-0132 www.watercontrols.com

GROWSMART™
BY LINDSAY

MAGNETIC FLOW METER | IM3000



THE ACCURATE SOLUTION FOR
MANAGING WATER USE.



- ### APPLICATIONS
- Irrigation
 - Wells
 - Lagoons
 - Agriculture Automation

Ideal for pivot and micro irrigation

MAGNETIC FLOW METER | IM3000

Save resources with the highly accurate magnetic flow meter

Water management and conservation is an ever-increasing concern for growers. The Growsmart® by Lindsay magnetic flow meter takes the guesswork out of water usage while saving time, water, energy and money.

FLOW METER'S Benefits

Compared to propeller flow meters, the Growsmart magnetic flow meter does not have any moving parts such as propellers or bearings that may break, causing interruptions in measurement and resulting in extra costs. Plus, the magnetic flow meter will not be affected by debris.

- Superior IP68 enclosure seal
- No moving parts to replace
- No flow obstruction
- Range of sizes
- Minimal straight pipe run required
- Remote management capabilities with FieldNET® by Lindsay

ICWT TESTED

International Center for Water Technology (ICWT) is an independent testing laboratory dedicated to advancing water management practices and irrigation technology.

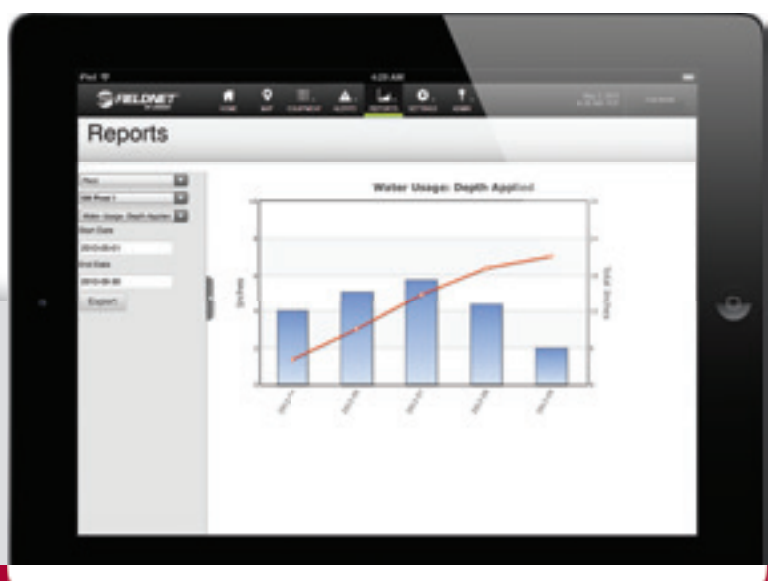
Tested for flow calibration and accuracy by the Utah Water Research Laboratory, Utah State University.

UWRL TESTED

Enhance with FieldNET

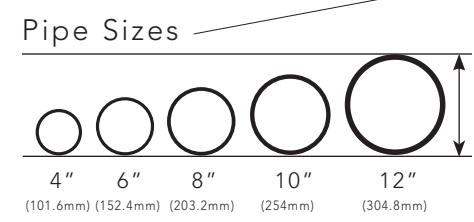
FieldNET is the industry-leading wireless management tool that allows you to remotely control entire irrigation systems.

With FieldNET-ready capabilities, the Growsmart magnetic flow meter combines with FieldNET to give you real-time, convenient access for up-to-date status, alerts and reporting.



FieldNET Ready
Remote control status, alerts and reporting

Unobstructed Flow
No moving parts to break down or catch debris



- Battery Pack**
Or direct power supply
- Advanced Display**
Flow rate, totalizer, battery level, and more
- Superior IP68 Enclosure Seal**
Tamper-proof
- Built to Last**
Stainless steel flow tube and die cast meter housing
- Tested Accuracy**
Independently tested by ICWT & UWRL
- Pulse/Frequency Output**
Digital pulse/frequency output available

When water goes through a magnetic field it creates a small voltage pulse. By measuring that voltage, the magnetic flow meter calculates how much water is flowing through the pipe.

- Easy-to-use interface
- Convenient mobile app
- Insightful, color-coded status icons
- Text message alerts for high flow, low flow & battery life
- Reports and historical archiving



FLOW MEASUREMENT	
Accuracy (Confirmed by ICWT)	10% – 100% of max flow: ±1% of reading Cutoff – 10% of max flow: ±2% of reading
Measuring Frequency	Battery power: 1/15 Hz External power: automatically proceeds with full-speed measurement, with frequency up to 5.5 Hz. Increased measuring frequency results in more accurate and real-time readings.
Range	.3 ft/s – 39 ft/s (0.1m/S – 12m/S)
WARNINGS	
Empty Pipe	Supported
Coil Open Circuit	Supported
BATTERY POWER	
Battery Life	4 – 6 Years
Battery Level Testing	Supported
Battery Replacement	Supported
Measure During Battery Swap	Not Supported
EXTERNAL POWER	
Voltage Range	6.5 – 32Vdc
Auto Switch to External Power	Supported
External Power Indicator	Yes
USER INTERFACE	
Display Contents	Flow rate, total, battery voltage, low battery warning, empty pipe warning, flow velocity/direction
Display Digits	Rate: 6 digits; Total: 9 digits
Rate Units	Gallon/Minute, Liter/Minute, Liter/Second, Cubic Feet/Minute, Cubic Meter/Hour, Million Gallon/Day, Mega Liter/Day
Total Units	Acre-Inches, Acre Feet, Gallon, Gallon x 1000, Liter, Liter x 1000, Mega Liter, Cubic Meters, Cubic Meter x 1000, Cubic Feet, Cubic Feet x 1000
Unit Settings	Set according to customer requirement before shipment
OUTPUT	
Frequency (opt. iso., dry contact)	With external power, max frequency 1000Hz
Pulse (opt. iso., dry contact)	
Communications	Supported, requires related hardware
WORKING CONDITIONS	
Temperature	Operating: 10.4F – 122F (-12°C – 50°C) Storage: -40F – 140F (-40°C – 60°C)
Pressure	290 psi (2 MPa)
Conductivity of Medium	>20uS/cm
INSTALLATION METHOD	
Flanged	
PROTECTION RATING	
Tamper Proof IP68 Enclosure	
CERTIFICATIONS	
ETL and CE	



The Lindsay Advantage

Zimmatic® by Lindsay offers proven systems and products that are built to be strong, long-lasting, durable and easy to use for growers who need highly efficient irrigation solutions. These systems can be enhanced with a family of integrated plug-and-play add-ons.

Growers around the world rely on Zimmatic's innovative technology support by a network of knowledgeable dealers to add value, reduce risk and take full advantage of every growing season.

To learn how the magnetic flow meter can make your operation more profitable, visit www.growsmart.com or contact your local Zimmatic® by Lindsay dealer.

To see the magnetic flow meter video, go to youtube.com/lindsayirrigation



THE LINDSAY ADVANTAGE

DURABLE • RUGGED • EASY TO USE • INTEGRATED TECHNOLOGIES •
BROADEST LINE OF SOLUTIONS



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Lean, Clean and Green. Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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