

SIEMENS

Cost-efficient management of water consumption

World-class water loss prevention at a lower cost

SITRANS F M MAG 8000 Irrigation



Water is necessary to sustain life, but in many parts of the world it is becoming increasingly scarce. As governments enact stricter legislation in an effort to preserve this vital resource for future generations, the irrigation industry faces a formidable challenge: more carefully managing water consumption and waste prevention while still remaining profitable.

As a knowledgeable partner in process instrumentation, Siemens understands

the needs of today's irrigation industry. Building on the strengths of the trusted SITRANS F M MAG 8000 family of battery-operated electromagnetic flowmeters, we are proud to offer the ideal water metering solution.

The dedicated MAG 8000 is a combination of the well-proven MAG 8000 transmitter with a specialized sensor designed for irrigation applications. The result: cost-efficient management of water consumption.

[siemens.com/flow](https://www.siemens.com/flow)



SITRANS F M MAG 8000 Irrigation

The MAG 8000 Irrigation ensures prevention of water wastage through a unique and money-saving combination of features:

Battery-powered for greater flexibility in the field

Rechargeable batteries allow for installation virtually anywhere and secure long-term performance in regions lacking reliable mains power.

Accuracy beyond industry standards

Demonstrates a consistent measurement accuracy rate of 0.8%, far exceeding the industry standard of $\leq 2\%$.

Maintenance-free operation

Because there are no moving parts, the meter is not prone to typical wear and tear and does not require periodic cleaning.

Tamper-proof and robust

IP68 enclosure offers security and enough durability for installation in flood-prone areas or even entirely underground.

Flexible communication

Optional diverse communication modules are available for add-on, ensuring the MAG 8000 Irrigation is up-to-date and prepared for the future.

Few resources are as vital to the human population, the environment and the global economy as water. To ensure the continuous preservation of this valuable commodity, the water industry has come to rely on the versatile SITRANS F M MAG 8000 program.

The battery-operated electromagnetic flowmeters from Siemens are the preferred solution for such varied tasks as water distribution, revenue metering and crop irrigation.

For more information:

Rep Name

Address

City State Zip

Phone:

Email:

SITRANS F M MAG 8000 Irrigation has the following specifications:

Transmitter Type	Basic version
Accuracy	$\pm 0.8\% \pm 2.5 \text{ mm/s} (\pm 0.1 \text{ ft/s})$
Sensor size	DN 50 – 600 mm, (2 – 24 inch)
Enclosure sensor and transmitter	IP68 / NEMA 6P, compact and remote with connectors and factory-mounted cable
Output	2 individual pulse outputs (incl. net flow volume)
Communication	Integrated standard IrDA interface, add-on communication modules, RS 232 / RS 485 with MODBUS RTU protocol, encoder interface module (output) with sensus protocol and GSM/GPRS wireless module (optional).
Power supply	Internal or external battery pack 12 – 24 V AC/DC and 115 – 230 V AC with battery backup
Certifications	NMI 10
Process connections	Flange drilled according to EN, ANSI and AS
Operating pressure	Max. 7 bar
Media temperature	0 – 70 °C (32 – 158 °F)
Electrodes and grounding rings	Stainless steel

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