

SITRANS F M MAG 8000

The unique battery-operated water meter for Irrigation



Lose less – keep more

The brand new battery-operated electronic MAG 8000 water meter from Siemens is the perfect solution for irrigation. It is an important tool in the national irrigation water management to conserve water and prevent draining of rivers and streams.

Many crops are grown under warm temperature conditions that require extensive use of irrigation plants to ensure an optimum harvest. As water is a scarce resource it is essential to measure and control the water consumption efficiently to ensure correct billing and offer farmers equal terms.

For more information on dedicated solutions visit www.siemens.com/MAG8000



Irrigation

Long-term performance for optimal ownership

The new MAG 8000 flowmeter from Siemens is an ideal solution for water metering on irrigation applications. Being an obstruction-free meter it ensures high measurement accuracy even under the harshest conditions. MAG 8000 has no moving parts that wear and tear and is resistant to solids and debris in the water delivering long lasting performance. Its robust construction is built to resist the environment, and no moving parts ensure low maintenance costs. With a battery operation time of 6 years MAG 8000 ensures low operation costs. ▶▶▶



Case Study - July 2005



Easy to install – everywhere

MAG 8000 needs **no mains power** at all and its battery operation make installation simple. It can be installed everywhere and is specially designed to comply with narrow installation conditions with minimal inlet and outlet requirements. MAG 8000 has a real IP68/NEMA 6 enclosure which allows installation in places where flooding can occur. It can even be installed below surface and the sensor buried resulting in low installation costs. Additionally, the hidden installation prevents the meter box from being hit by cars or agricultural machines and minimizes the possibility of vandalism and thefts.

From wired to wireless

MAG 8000 has a built-in IrDA interface and pulse output for easy data collection on site and system integration. It is equipped with an open 'add-on' communication platform for stepwise investment and is future proof for new communication standards.

From locally wired to globally 'wireless GSM-SMS communication' Siemens has the right solution for delivering the important information.

MAG 8000 is designed to exceed your expectations and is backed up by Siemens international.

Visit www.siemens.com/MAG8000 for more information on dedicated solutions.



Product features SITRANS F M MAG 8000:

Sensor size	DN 25 - 600 / 1"-24" with DIN 1092-1, ANSI 16.5 and AS4087 flanges
Transmitter	Integral on sensor (compact)
Enclosure	IP 68 / NEMA 6
Display	Graphical display with touch keypad
Output	2 individual configurable outputs for pulse net flow or alarm / call up
Communication	RS 232 / 485 modules with MODBUS RTU protocol
Power supply	Mains power supply and internal battery back-up
Features	<ul style="list-style-type: none"> · 6 years' battery operation time (up to 10 years with external back-up battery) · 3 totalizer, including customer reset table totalizer and date of change · Data logger with consumption logging up to 26 months data and alarm on to low and to high consumption · Call up function · Tamper protection with fast indication on manipulation · Real time clock and data back up · Application identifier · Password and tamper protection with fast indication on manipulation · Diagnostic for optimal operation · Power management for optimal operation · Real time clock and date · Automated data back up
Type Approval	OIML R49
Accuracy	+/- 0,2% +2mm/s or +/-0,4% +2m/s
Configuration tool	Siemens PDM and Flow tool software

