

## Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**



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# Flygt MagFlux<sup>®</sup>

EASY, ACCURATE AND FLEXIBLE ELECTROMAGNETIC FLOW MEASUREMENT



# Flygt MagFlux<sup>®</sup>

## Know your flow.

Measuring your flow rates could hardly be easier. Designed to seamlessly integrate with Flygt's range of pumps and control devices, MagFlux gives you all the data you need to monitor and optimize flow in any installation. MagFlux allows you to improve your operations, control your performance and meet the strictest regulatory demands. With thousands of units installed worldwide, MagFlux is simply the most accurate, reliable way to know your flow.

### Easy to operate

Just enter the calibration code of the flow sensor, and MagFlux will start measuring the flow within seconds. The 5-line text display and easy-to-use intuitive menu structure allow MagFlux to display information in a number of available languages. Each display unit can operate and display up to four MagFlux units and can be mounted up to 1,000m (3,300 ft) from the sensors. USB connectivity ensures easy communication and updates using a PC in the field. In case things are not going according to plans, the built in self diagnosis with indication and logging of errors for alarms, events, exceptions and flow data transfer, will help aiding the user in the right direction.

### High accuracy even with slow flows

Readings accurate to 0.25% are provided for flow rates from as low as 0.2m/sec (0.6ft/sec) to as high as 10m/sec (30ft/sec).

MagFlux can even detect when the pipe is empty, while the bidirectional sensors allow the flow direction to be set in the display following the installation. Automatic electrode cleaning as standard not only keeps your MagFlux accurate, but cuts maintenance time too.

### The flexible choice

There's never been a more flexible flow sensor. MagFlux sensors can be mounted together with the display unit as a compact installation, or separately for optimal placement of multiple sensors. The sensor can even withstand submersion to a depth of 10m (30ft). With a wide range of available sizes, from DN20-1200, 3/4"- 48", network capabilities (Modbus/Profibus) and a comprehensive range of accessories, MagFlux is the ideal choice for flow measurement in any installation.



With its certified accuracy, built-in data logger and graphic display, MagFlux provides easy-to-operate flow measurement for high accuracy even with slow flows.

## Flygt monitoring & control and pumps – even better together.

In the water and wastewater business, conditions change fast. And the more your equipment can tell you, the better you can perform. This is why at Flygt, we take a more complete approach to water management. One that combines the world's most advanced pump technologies with fully integrated monitoring and control systems designed and tailored specifically for the demands of water and wastewater professionals like you.

Take MagFlux for example, which enables intuitive flow monitoring and error-free installation for thousands of pump stations around the world. Designed to function seamlessly with Flygt pumps and control devices, it's just one of a range of intelligent solutions that make **Flygt monitoring & control and pumps even better together.**

### Unique features

- Quick and easy commissioning
- Flexible installation possibilities
- High accuracy and wide flow velocity range
- Large 5-line display
- Built in self diagnosis
- Automatic electrode cleaning
- Built in flow data logger with graphic view on the display
- Network capable (Modbus/Profibus)
- Many display languages available

### Technical data

#### Flygt MagFlux Flow Sensor

Media	Waste water, Process water	
Sizes	DN20-1200, 3/4"- 48"	
Accuracy	0.25% (≥0.2m/s, 0.6ft/s)	
Flow Rate	min 0.2m/s, 0.6ft/s max 10m/s, 30ft/s	
Flanges	EN	EN-1092-1
	ANSI	B 16.5
	AWWA	C207-01
	Aus	AS2129, AS4087
Liner	Hard Rubber	
Electrodes	1.4571 / AISI 316 Ti	
Enclosure Rating	IP67/68	
Choice of Flow Direction	Yes	
Built in Ground Electrode	Yes (from DN50)	

#### Flygt MagFlux Converter

Installation	Compact/Wall/Panel
Analog Output	4-20mA
Digital Output	2 x relay
Built in Communication	Modbus RS485
Network	Modbus RS485/Profibus DP (ordered separately)
Built in Data Logger	160,000 logs, i.e. 19 days of flow with default log interval (1/10sec)
Enclosure Rating	IP67
Remote Display	Up to 1000m, 3300ft