

Flygt MagFlux

ELECTROMAGNETIC FLOW MEASUREMENT

Flygt MagFlux is the easy to install, easy to operate, and accurate solution for flow measurement in your pipes. With more than 6000 installations worldwide and designed to seamlessly integrate with Flygt's range of pumps and control devices, MagFlux is the reliable way to know what's happening in your pipes and let you take control of your pump station.

Easy to operate

The 5-line text display and easy-to-use flat intuitive menu structure similar to that of a cell phone, allow MagFlux to display information in a number of available languages. Each display unit can operate and display up to four MagFlux and can be mounted up to 1000 m (3300 ft.) from the sensors. USB connectivity means easy communication and updates using a PC in the field.

High accuracy even with slow flows

Readings accurate to 0.25% are provided for flow rates from as low as 0.2 m/sec (0.6 ft./sec) to as high as 10 m/sec (30 ft./sec). MagFlux can even detect when the pipe is empty while the bi-directional sensors allow the flow direction to be set following 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 meter. MagFlux not only allows compact or separate mounting but can withstand submersion to a depth of 10 m (30 ft.). With a wide range of available sizes from DN 15/1/2" to DN 1200/48" and a comprehensive range of accessories MagFlux is the right choice for flow measurement no matter the installation.



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Display Indication	Indication of flow, flow direction, volume, totalizers, configuration, and graph
Communication	MODBUS® RTU-mode
Interface	1 pcs. RS-485 MODBUS® RTU-mode 1 pcs. USP 1,1 type mini B, female 1 pcs. For Communication module
Memory Storage	32 Mb Flash memory, 168,000 loggings incl. date, time, and value (curve display)
Temperature Range	-20° ... 60° C / -5 ... 150° F

Converter

Power Supply	24 V AC, 50/60 Hz ± 10% or 230 (115) V AC, 50/60 Hz ± 10%, or 10-30 VDC
Communication	MODBUS® RTU-mode
Interface	1 pcs. RS 485 for connection to Display Unit or PLC
Analogue Output	1 pcs. Active 4-20 mA, galvanically isolated, 12 bit resolution (max load 800 Ω). Min. range= 0-0,2 m/s (0-0.6 ft./s), Max. range 0-10 m/s (0-30 ft./s)
Digital Outputs	1 pcs. Voltage-free electromechanical relay 1 pcs. Optically isolated MOSFET relay (max 50 VAC / V DC /120 mA) Programmable for: Totalizer counter, batch counter, high/low flow, system error, empty pipe, and flow direction.
Digital Inputs	One, max 30 V DC, < 5 V DC 0 0 (low), > 10 V DC = 1 (high), pulse length > 100 ms
Temperature Range	-20° ... 60° C / -5 ... 150° F
Approvals	UL, cUL, CE

Connection Box

Enclosure Rating	IP 68, NEMA 6P
Temperature Range	-20° ... 60° C / -5 ... 150° F
Unique features	5-line display able to show graphs Built-in Data logger with graphic display Automatic electrode cleaning 0,25% accuracy over the full range from 0,2 m/sec to 10 m/sec (0.6 ft./sec to 30 ft./sec) Many display languages



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