

IFQ MONITOR 2

Monitor for RAVEN-EYE® 2(+),
BELUGA, BELUGA A/V or
PHOENIX 2 flow sensors



The IFQ MONITOR 2 is a user-friendly monitor, data logger and converter for Flow-Tronic flow sensors. It is equipped with one RS485 digital serial communication port for **RAVEN-EYE® 2(+), BELUGA, BELUGA A/V or PHOENIX 2** flow sensors and one 4-20 mA input for external level.

The IFQ MONITOR 2 comes with three 4-20 mA outputs, two contact outputs for total flow and alarms and one Modbus RTU communication port (optional) for easy integration.

Combined with Flow-Tronic's FUZION software it allows for a quick configuration of the complete system through the USB-C port. Data can also be directly downloaded in the software for efficient data analysis and display. The system allows for precise fine-tuning of the measure and integration of a Q/h curve.

Secured data

All data gathered by the flow measuring system is stored on a logger inside the IFQ MONITOR 2. The logging system is constituted of 2 different flash memories. One internal 32 MB backup memory and one memory on SD card providing 32 GB of memory. The data is stored as .tsv or .csv files on the memory card (one file per month for ease of data treatment). The file can be configured to only collect the information needed.



FLOW-TRONIC

www.flow-tronic.com

Technical Specifications

Sensor Interface

1 x RS485 digital sensor interface for velocity sensor

Compatibles sensors: RAVEN-EYE®, RAVEN-EYE® 2(+),
BELUGA, BELUGA A/V, PHOENIX,
PHOENIX 2

OR

1 x 4-20 mA analog input for velocity sensor

Compatible sensors: EMV-500/1000
or any 4-20 mA velocity sensor

1x 4-20 mA analog input for level sensor

Compatibles sensors: ULS-02, ULS-06, PLS-02, PLS-06
RLS-15, RLS-C21 or any other loop
powered 4-20 mA level sensor

Hybrid option

2x RS485 digital sensor interface
for Flow-Tronic velocity sensor
2 x 4-20 mA analog input for
velocity or level sensor

Setup & Operation

Configuration of level offset, units, output ranges, graphics and screen lock through touchscreen.

Available units:

Flow: l/s, m³/h, m³/s, m³/d, Ml/d, gpd, gpm, cfm, MGD

Velocity: cm/s, m/s, fps

Level: mm, cm, m, inch, feet

Total flow: l, m³, g, cf

Available languages: EN

Complete configuration using FUZION software for Windows
through direct USB-C communication

Advanced features: Q/h curve

Display & LED

LCD 5" color touchscreen

Display: flow, velocity, level, total flow, graphs

Internal battery status indication

2 status indication LEDs

Outputs

3x 4-20 mA outputs, max. load 250 Ω.

Outputs are flow, velocity and level

Logger

External Memory

32 GB SD card (up to 250 years of data)

Internal Memory

32 MB internal memory (up to 4 months
of data at one minute logging interval)

Real-time clock

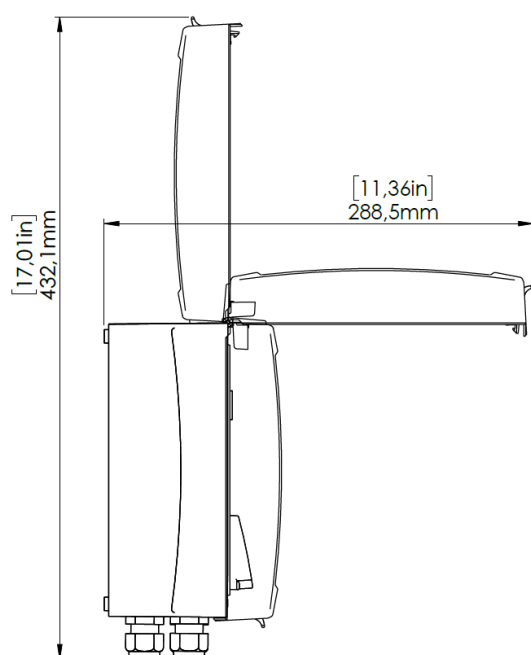
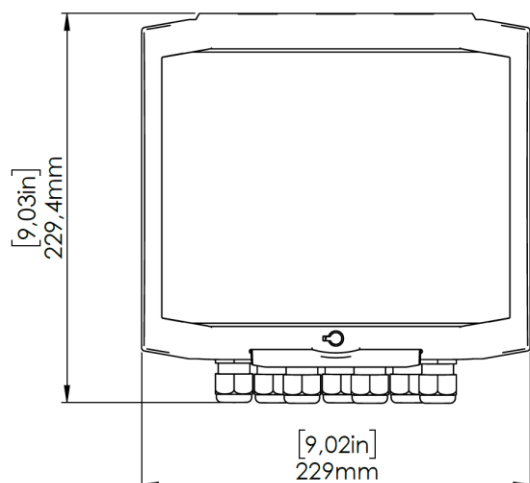
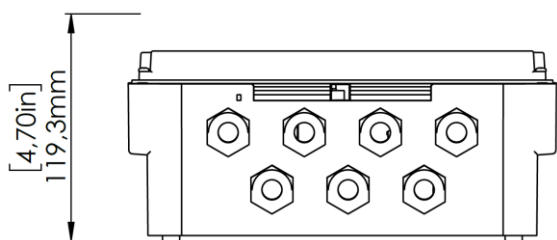
Dedicated backup battery

Data format available

.tsv & .csv

Chemin des Tilleuls 32 | 4840 Welkenraedt | BELGIUM

Tel.: +32 (0)87 899 799 | E-mail: info@flow-tronic.com



Contact Closure

1x relay/SPST-NO output for TOTAL FLOW.
1x relay/SPDT output for FAULTY alarm including on auto-diagnostic system of sensors (RAVEN-EYE®, BELUGA (A/V) or PHOENIX)
3A @ 30VDC / 3A @ 250 VAC

Communication (optional)

Modbus RTU (slave) over RS485 communication port

Certification

CE

Power Supply

DC 9 to 36 VDC
AC 85 to 305 VAC, 47 to 63 Hz

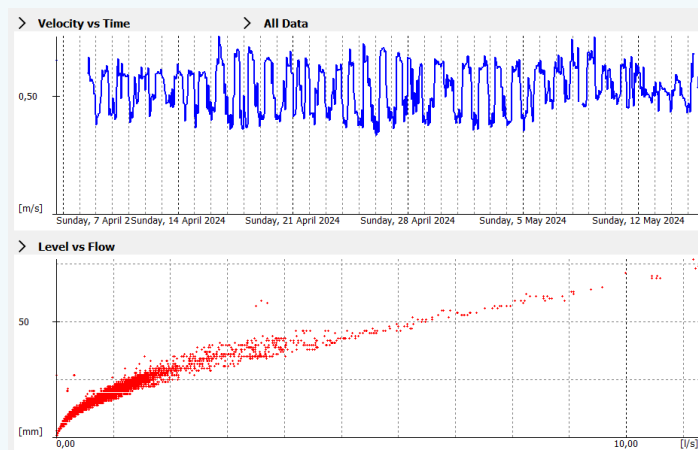
Enclosure

Dimensions 229 mm W x 230 mm L x 120 mm D (9.02" x 9.03" x 4.70")
Weight 1,60 kg (3.5 lbs)
Material ABS plastic
Protection IP66, NEMA 3
Max. humidity 90% r.H. (non-condensing)

Environmental Conditions

Operating temperature range -20 to +60°C (-22 to +140°F)
Storage temperature range 0 to +45°C (-32 to +113°F)

FUZION data display:



Specifications are subject to change without notice
Updated: September 2025