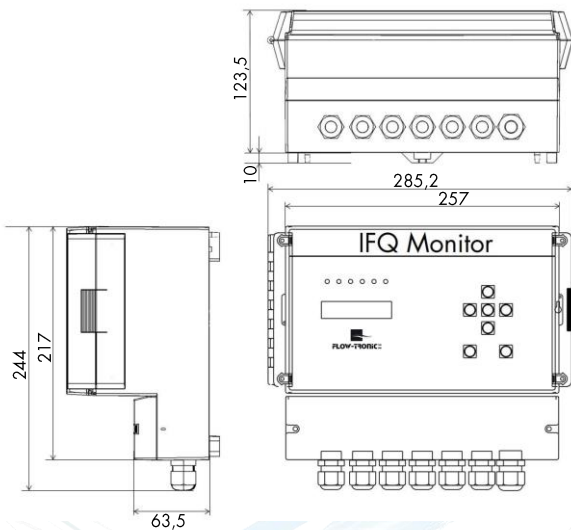


IFQ MONITOR™

Interface Monitor For RAVEN-EYE®
and BELUGA™ flow sensors



IFQ Monitor™



The IFQ Monitor™ is a simple monitor and converter for Flow-Tronic flow sensors. It disposes of one RS485 digital serial communication port with specific communication protocols for RAVEN-EYE® or BELUGA™ flow sensors and one 4-20 mA input for external level.



FLOW-TRONIC NV

www.flow-tronic.com

Technical Specifications

Sensor Interface

1x RS485 digital sensor interface for velocity sensor
1x 4...20 mA analog input for level sensor

Setup & Operation

7 position sealed membrane keypad.
Configuration of level offset, units, output ranges & language through keypad.

Available units:

Flow: l/s, m³/h, m³/s, gpd, gpm, cfm

Velocity: cm/s, m/s, fps

Level: mm, cm, m, inch, feet

Total flow: l, m³, g, cf

Available languages: EN, DE, FR, etc.

Display & LED

144x32 pixel white-on-blue graphical display.

Two lines of text display scrolling between: FLOW, VELOCITY, LEVEL and TOTAL FLOW

Internal battery status indication.

6 status indication LEDs.

Outputs

Three 4...20 mA outputs, max. load 250 Ω.

Outputs are FLOW, LEVEL and VELOCITY.

Logger (optional)

Memory: 2 Gb (13 years of data at one minute logging interval)

Memory Type: Flash memory (SD card)

Datalog Channels: 18

Time-based accuracy: < 1s/day

Data format available: .tsv

Contact Closure

1x relay/SPST-NO output for TOTAL FLOW.

1x relay/SPST-NC output for FAULTY alarm based on auto-diagnostic system of RAVEN-EYE®.

Rating: 6A at 30 VDC / 6A at 250 VAC

Power Supply

DC: 9 to 36 VDC

AC: 85 to 265 VAC, 47 to 63 Hz

Enclosure

Dimensions: 257 mm W x 217 mm L x 123,5 mm D

Weight: 2,25 kg

Material: ABS plastic

Protection: IP65, NEMA 4

Max. humidity: 90% r.H. (non-condensing)

Environmental Conditions

Operating temperature range: -25 to +55°C

Storage temperature range: -30 to +65°C

Specifications are subject to change without notice

Updated: October 2014

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