

FLOW-TRONiC

FLOW MEASUREMENT SOLUTIONS



FOR WATER AND WASTEWATER

Sewer and storm water
collection pipes monitoring.
Inflow and Infiltration
quantification

Wastewater treatment
plants & Combined
Sewer Overflow

Rivers, Channels
& Irrigation

Water treatment
Plant & Water
distribution, NRW

Industry &
hydropower

YOUR FLOW MEASUREMENT SOLUTIONS FOR WATER AND WASTEWATER

RAVEN-EYE 2+



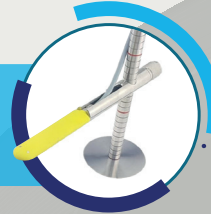
- Measurement of surface velocity using radar Doppler technology and level measurement using radar or ultrasonic technology
- Data analysis via Flow-Tronic software and open communication protocol for easy data transfer
- Suitable for use in partially filled pipes/open channels
- Available for ATEX Zone 1
- ▶ **Maintenance-free technology thanks to contactless measurement solutions and IP68 protection rating**

BELUGA – BELUGA A/V



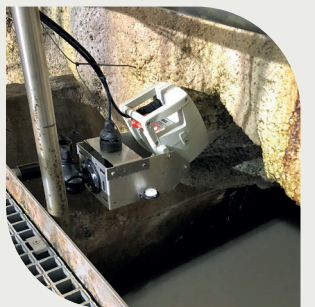
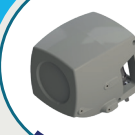
- Ultrasonic area/velocity flow meter
- Bidirectional sensor suitable for use in partially filled pipes and open channels
- Integrated and replaceable pressure transducer for level measurement (A/V version)
- Flow rate calculation within the sensor (A/V version)
- Flexible and robust mounting brackets to suit all site configurations
- ▶ **Ideal for Inflow & Infiltration flow studies**

PELICAN



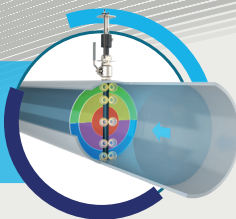
- Magnetic-inductive measuring unit for determining flow velocity
- Portable measuring unit to perform on-site verifications, calibrations and flow profiling
- Handheld unit with display for rapid acquisition and evaluation of measurement data
- Use in rivers, irrigation canals, water channels and sewer pipes
- ▶ **User-friendly and flexible measuring unit for portable use**

PHOENIX 2

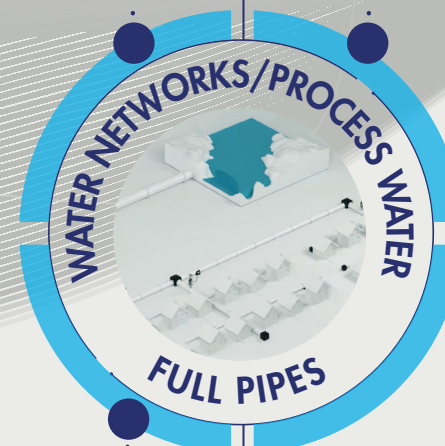


- Non-contact radar Doppler sensor for large channels and rivers
- Integrated auto-diagnostic function (monitoring of internal pressure, temperature and humidity)
- Wide radar beam to provide accurate and representative average velocity data
- Detects bidirectional flow and can be installed high above the water surface
- ▶ **Maintenance-free, IP68 enclosure with radar technology for highly accurate flow measurements**

TORPEE-MAG



- Full insertion flow meter with electromagnetic multi-point electrode measurement
- Bi-directional sensor, can be installed in non-ideal pipe setting while providing high accuracy and repeatability
- Robust flowmeter for all applications from production to distribution. Ideal flow monitoring solution for District Metered Areas.
- Mounting on 1", 1.5", or 2" pipe threads with a control unit; optionally with a battery-powered converter
- ▶ **Easy installation of a high-precision measuring unit, even for bidirectional water flows**



Data Loggers

- IFQ Monitor 1.5
- IFQ Monitor 2
- IFQ Logger 2
- RTQ-IoT
- TMC-20
- TMC-15
- TMC-15 IP68



YOUR OPERATIONAL BENEFITS

- Precise and reliable flow measurement thanks to patented waveguide radar technology
- Maintenance-free velocity measurement thanks to non-contact radar Doppler technology
- Accurate measurement data through patented hybrid technology using RAVEN-EYE & BELUGA in all flow conditions
- Open data communication protocol for seamless connection to data logger SCADA systems via digital Modbus RS-485 RTU/ASCII technology or analog via 4-20 mA
- High flexibility in calibration and adaptation to different operating conditions through Fuzion software and data transmission capabilities

BECAUSE PRECISION MATTERS



- Since 1989 focused on flow measurement for water and wastewater
- Technology-driven with a strong focus on innovation
- Patents for radar beam and hybrid solutions
- ATEX certification and calibration test benches at the FLOW-TRONIC site in Belgium
- Production, assembly, and service/maintenance at the FLOW-TRONIC site in Belgium
- Global distribution through partners and subsidiaries in the U.S. and Germany
- Worldwide references for various applications

PORTFOLIO

- Stationary and portable flow measurement devices
- Technologies: Radar-Doppler, Ultrasonic-Doppler, Electromagnetic, Pressure transducers, Acoustic sensors
- Calculation software integrated with open SCADA protocols via analog 4–20 mA or digital via Modbus RS-485 RTU/ASCII
- Optional controller with monitor and touchscreen for connection to SCADA systems
- Consulting on optimal placement and configuration of measuring points
- Data management and data transfer



YOUR CONTACTS FOR GLOBAL CUSTOMER SERVICE



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