



## Flow Meters

*We provide open channel and closed pipe flow meters for both industrial and environmental applications.*

*Our Open channel Flow meters are installed throughout Ireland primarily for IPC license compliance and in WWTP's. Our range include the Teledyne Isco Signature for permanent installations, and the Isco Duratracker series for battery power applications. Both Signature and Duratracker are compatible with ultrasonic, bubbler, area velocity, and the highly innovative; 'Laser', measurement technology options.*



### Stationary Open Channel Flow Meters:

**Isco 310 Signature Ultrasonic Flow Meter**- this is our standard open channel flow meter for industrial applications. It is installed in combination with a flume or weir

**Isco 330 Signature Bubbler Flow Meter**- This bubbler flow meter provides a very accurate solution and is unaffected by foam or steam. It is used extensively in the dairy industry in Ireland. It is installed in combination with a flume or weir or the patented and simple to install **Isco Flow Metering Inserts**

**Isco Signature 350 Area Velocity Flow Meter**- stationary industrial applications where a flume or weir is not feasible.

**Isco Signature 360 Laser Flow Meter**- A top of range new and highly innovative Laser measurement technology which is completely non contact, does not require a flume or a weir and is typically accurate to 2%.

- non-contact velocity and level measurement
- Single or Multiple Point measurement below the liquid surface
- Rugged, submersible enclosure with IP68 ingress protection
- Zero deadband from measurement point in non-contact level and velocity measurements
- Quality readings without manual profiling



## Portable Open Channel Flow Loggers

### **Duratracker Flow Logger ( Area Velocity , Laser)**

The DuraTracker flowmeter is the most efficient and reliable flow monitoring solution on the market today for a wide range of open channel flow measurement applications. It supports flow measurement technologies including non-contact laser area velocity, submerged Doppler area velocity, and ultrasonic. The flowmeter calculates flow using standard open channel level-to-flow and area velocity conversions, user defined equations, level to area data points, or level to flow data points.



#### Standard Features:

- Rugged, submersible enclosure meets IP68 environmental specs
- Quick connect plug-and-play multiple sensors connectivity: Ultrasonic, AV, and laser
- pH and sampler interface
- Bluetooth communication interface with wireless devices
- USB interface
- MODBUS output
- Replaceable high-capacity internal desiccant cartridge and Gortex filter protect sensor air reference port from water entry and internal moisture
- Variable data-rate storage
- compatible with off-the-shelf batteries

*Storm overflow Monitoring and Flood Warning Management*

***Ijinus Ultrasonic Logger Modem*** – a completely low power/autonomous and economical solution for storm overflow networks. Level data can be logged for manual downloaded periodically using local wifi connection or ‘pushed’ via grps to hosting server. Data is typically displayed and accessed on exclusive customer website using Ijitrack web access service. SMS and email alerts available



***Ijinus Storm Overflow Sensor***- an economical capacitive On/Off switch and logger for simple logging of storm events



***Ijinus rain gauge with integral logger*** – local logging and GPRS ‘push data options available).



## *Flumes and Weirs*

*We supply TRACOM Flumes- American style GRP flumes*

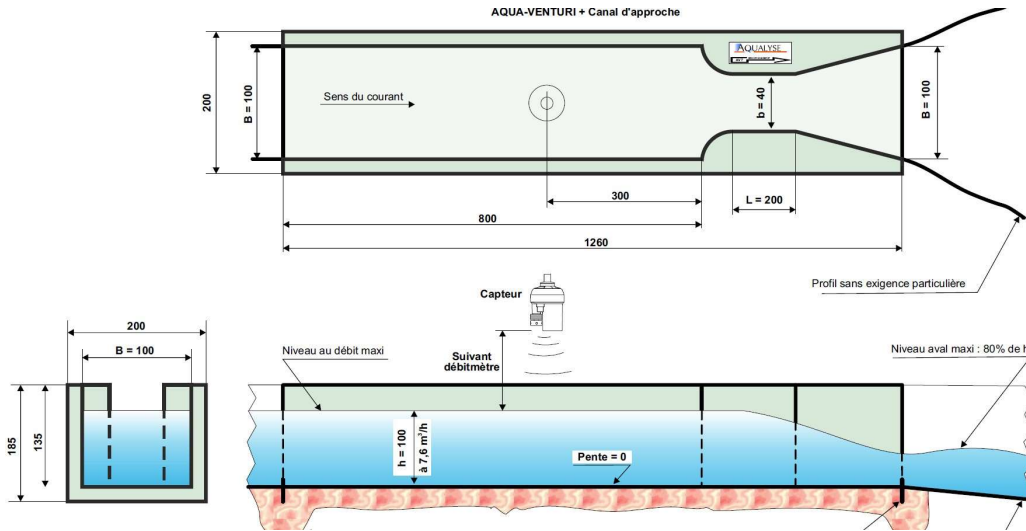
- *Palmer Bowlus*
- *Parshall*
- *Traezoidal*
- *H Flumes*

*Drawings, rating curves tables and installation instructions and advice provided.*



*We supply Aqualyse Venturi Flumes in GRP with ISO 4359 standard.*





*We design and fabricate sharp edge V notch tanks to suit various flow rates.*

