

# NivuFlow Stick



The NivuFlow stick is a mobile unit which measures flow in streams and canals, accurately calculating flow using depth and velocity measurements.

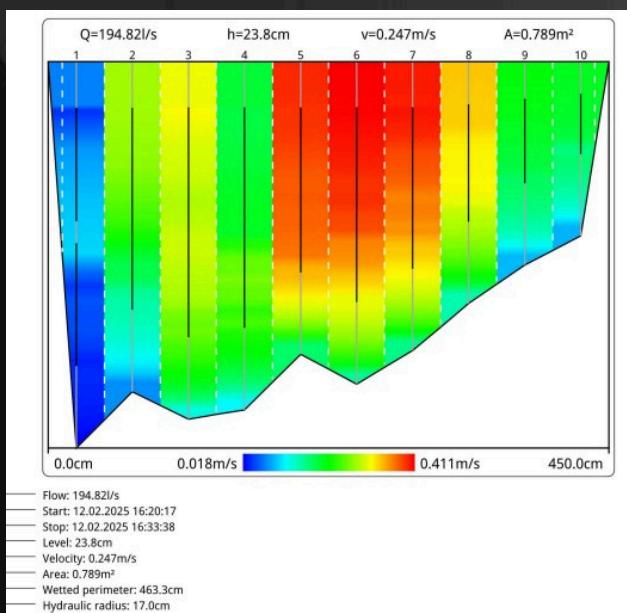
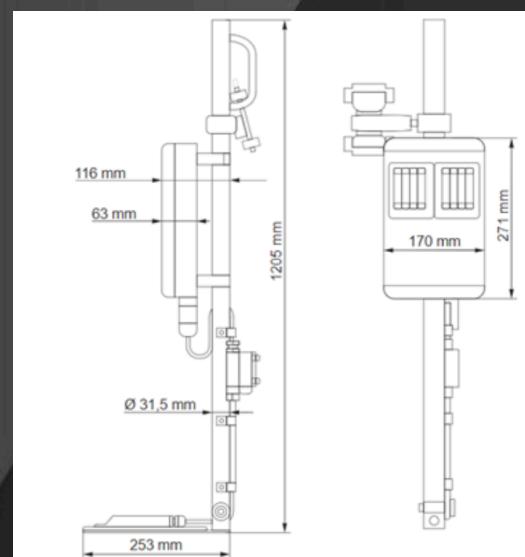
The compact system can be easily transported and is ready for use within moments. Convenient operation via smartphone or tablet makes measurements simple and intuitive. The system contains no wearing parts and is maintenance-free.

## Features

- Measures depth with a high accuracy pressure sensor and velocity with an ultrasonic sensor.
- Communicates via internal WIFI.
- Browser based operation via smartphone/tablet/laptop
- No additional software required
- Measures velocity in multiple water layers - up to 16 layers per vertical position
- Discharge calculation method according to ISO 748:2021: Mean-Section, Mid-Section method
- Minimum depth is 30mm above sensor
- Max. depth is 5m
- Max. velocity is 6m/s
- Complete detection of the profile
- Memory for 1400 discharge measurements



Depth measurement	Measurement range (pressure cell): 0...5 m
Data memory	1400 discharge measurements
Data transmission	Download via WLAN
Operating temperature	-30°C+70°C
Power supply	8xAA standard or rechargeable batteries
Protection Enclosure	IP67
Protection sensor	IP68



## Applications

- Storm water runoff studies
- Measuring flows in rivers, culverts and streams
- Monitoring water velocity in ditches and canals
- Irrigation channel measurement & control
- Surface water monitoring
- Industrial outflow monitoring