

# Aquadopp Z-Cell 600 kHz [logo] found or type unknown

## Up to 40 m current profiling range and no blanking; ideal for mean and boundary current measurements

Need to collect accurate 3D currents very near the seabed or sea surface, in addition to a full water-column profile?

The Z-Cell (Zero Cell) Aquadopp allows current measurement to start right at the instrument's level through an innovative approach: it has side-looking beams fully integrated into the instrument's head, effectively removing the blanking distance normally applicable to ADCPs.

## Applications

### Highlights

- [arrow] found or type unknown Up to 40 m current profiling range
- [/] Capable of measuring surface or bottom currents
- [/] Ideal for mean current measurements
- [/] Mounted on bottom frames, with ability to also measure near-bed currents
- [/] Mean flow measurements with high focus on ease of use and simplicity
- [/] Measurements in flow regimes with strong variations in flow speeds
- [/] Studies of tidal currents
- [/] Measurements of combinations of waves and currents
- [/] Mounted on surface buoys, with the ability to also measure surface currents

## Technical specifications

### [arrow] found or type unknown Echo intensity (along slanted beams)

Sampling	Same as velocity
Resolution	0.45 dB
Dynamic range	90 dB
Transducer acoustic frequency	600 kHz
Number of beams	3
Beam width	3.0°