

Range Test 190 kHz Continental Current Profiler

The newly released 190 kHz Continental has been tested for profiling range and been found to 'hold up under pressure'. Commonly referred to as a 200m system, a production unit was deployed off the West Coast of Sweden in April, along with a 300 kHz WH. The instruments were deployed twice and the WH was tested both in standard mode and 'narrow band' mode for extra range. The results, although not trivial to interpret, show that the Continental achieves the stated 200m range even in the absence of strong scattering layers. The relative increase in range compared to the 300kHz WH is 60-90 per cent, depending on WH mode. This is what was hoped for but impossible to verify before the systems were compared in the same place and at the same time. The development of the Continental was motivated by customer requests for a robust and reasonably priced current profiler capable of measuring the full current profile on the continental shelf. It comes in two frequencies: 190 kHz for 200m range and 470 kHz for 100m range.

<https://www.hydro-international.com/content/news/range-test-190-khz-continental-current-profiler>
