

ABSTRACT OF THE DISCLOSURE

A system for testing a group of hydrophones includes (a) a tank having a nozzle adapted for attachment of a streamer jacket; (b) a harness reel inside the tank for reversibly retaining a group of hydrophones; (c) fluid passage means into the tank for introducing and withdrawing fluid into and out of the tank; (d) an oscillating pump in fluid communication with the tank to introduce a time varying pressure pulse in the tank; (e) a reference hydrophone inside the tank; (f) electrical coupling means to couple a hydrophone signal from the group of hydrophones and the reference hydrophone to a central processing unit; and (g) means for comparing the hydrophone signal of the reference hydrophone to the hydrophone signal of the group of hydrophones. The means for comparing the hydrophone signal of the reference hydrophone to the signal from the group of hydrophones comprises a computer that determines the maximum signal strength and the fundamental frequency from the reference hydrophone, determines the maximum signal strength from the test array at the fundamental frequency, then calculates the sensitivity of the test array from the known sensitivity of the reference hydrophone.

Documents:Directories:SAAA-SZZZ:SYNT:12942 - Singapore Group Tester:12942 - Patent Application