

ACOUSTIC PINGER RECEIVER



APPLICATION: Pinger receivers are underwater acoustical tracking systems, which are designed to receive acoustic signals from submerged acoustic sources (i.e., pingers, beacons, responders, etc.) The pinger receiver can be operated by a free-swimming diver or attached to an ROV.

DESCRIPTION: The Datasonics DHA-100 is a ROV mounted directional hydrophone head used to detect and locate acoustic beacons. The unit utilizes two spare conductors in the 1,050-foot long ROV umbilical and connects topside to the Datasonics DPL-275 Pinger Locator System with headset. The unit operates to the full depth of the ROV and receives all frequencies between 3 and 80 kHz. Deep sea, free-running pingers are available with the system to provide relocation of equipment or sites of interest. The ROV is used to sweep the water column until the loudest signal is detected from the acoustic source, which provides a compass bearing to follow. As the ROV gets closer to the acoustic source, gain on the directional hydrophone is reduced and the procedure is repeated until the source is located visually.