

ACOUSTIC PINGER BEACONS



APPLICATION: Pingers are guiding devices used to provide an acoustic energy source that can be heard with a hydrophone. Used as an acoustic beacon, pingers are commonly deployed for the relocation of equipment or revisitation by divers to a specific site. Pingers can also be attached to underwater vehicles for tracking and navigation purposes.

DESCRIPTION: NURC-UNCW has a variety of acoustic pinger beacons available for use. Helle 27XX pingers are available in 27 or 37 kHz frequencies for deployment of equipment to 6,000 feet seawater and have a battery life of one month. ORE pingers are programmable, precision acoustic beacons used mainly for tracking and navigation of mobile underwater vehicles. They are rated to a depth of 3,000 feet sea water, have frequencies of 23 and 25 kHz, and have a battery life of 3 – 7 days depending on pre-set ping rates of 1 – 4 pings per second. Special, full ocean depth “long term” pingers with a battery life of up to 4 years can be purchased with advanced notice, and are used mainly for site revisitation/instrument retrieval by submersibles.