



SBE 50 Digital Oceanographic Pressure Sensor

Product #:

SBE50DIGITALOCEANOGRAPHICPRESSURESENSOR

USD Price:

Contact Sea-Bird

The SBE 50 is a high-accuracy, high-resolution (16 Hz sampling) pressure sensor, intended for use in towed vehicles, ROVs, AUVs, or other autonomous platforms that can supply DC power and acquire data. It is an easy-to-use, light, compact instrument, well suited to even the smallest vehicle. The SBE 50 must be externally powered, and its serial/analog data saved or telemetered by the vehicle to which it is mounted.

The SBE 50's strain-gauge pressure sensor is offered in eight full scale ranges from 20 to 7000 dbars. Compensation of the temperature influence on pressure offset and scale is performed by the SBE 50's CPU. Measurements of pressure and pressure temperature are output as raw data or in engineering units, with pressure in decibars or psia, or depth in meters or feet.

Commands sent to the SBE 50 provide status display, data acquisition setup, and diagnostic tests.