

The Specialist Offshore Services Subsea pH Probe allows the in situ determination of pH up to a pressure of 600bar, or 5000MSW. The pH sensor is an inner gel electrolyte filled glass tip, with a small hole to allow the measurement of the pH of the unknown solution. This provides a stabilized junction potential allowing a fast response, and accurate measurement.

The glass transducer gives long life and minimal re-calibration. The software allows for easy calibration before ROV deployment, as well as an ASCII serial output to interface with typical video overlay systems, meaning the pH can be recorded on screen.

Software provides logging ability, to an ASCII formatted file, for easy importation into popular software packages.

Technical specifications

- ⇒ Operating Depth: up to 6000 MSW
- ⇒ Measuring principle: potentiometric
- ⇒ pH Sensor: Glass Membrane
- ⇒ Temperature Sensor: Ag/AgCl double bridge
- ⇒ Measuring Range: defaults to 3..11 pH
- ⇒ Expanded range selectable 0..14 pH
- ⇒ Accuracy: pH 0.03
- ⇒ Redox +/- 10m
- ⇒ Resolution: 0.01 pH
- ⇒ Time Constant: $t_{63\%} < 3s$
- ⇒ Temperature range: -2.. +38 degrees C
- ⇒ Requires: 0V, 24V, RS232 Tx/Rx/Common
- ⇒ Probe housing: AISI 316L
- ⇒ pH Sensor body: titanium
- ⇒ Probe Diameter: 48.5mm



Includes a laptop and software. Software only supply also available.

Everything you need to be able to calibrate, record and determine pH is provided in the kit, in an easy to use format.

