

# FlowTech/pH Sensor for flow-through systems

The FlowTech/pH flow-through sensor is a high quality, high accuracy probe for oceanographic, limnologic and industrial or off-shore measurement of the pH of seawater. With a special designed Gel-electrode for SubCtech applications and requirements, this sensor provides best accuracy and long-time stability for water quality monitoring applications.

Together with the flow-through process assembly, this sensor is ideal for ship measurements. This probe has proved particularly in long-term measurements with little maintenance facilities.



<b>Type</b>	Ag/Ag Cl Gel electrode
<b>Range</b>	0..14pH, depends on the calibration
<b>Accuracy</b>	< 0.1 pH
<b>Resolution</b>	±0.002 pH (Electrode system) 0.01 over-all performance
<b>System pressure</b>	Max. 6 Bar (note: the max. system pressure of the OceanPack will be 3 Bar).
<b>Temperature compensation</b>	PT1000 DIN IEC 751 integrated, à automatically compensation
<b>Calibration</b>	Build-in direct 2-point calibration à You can calibrate direct in your application, no Lab calibration is needed anymore
<b>Display</b>	Online data for pH, Temperature
<b>Dimensions:</b>	Glass electrode: $\varnothing$ 12mm, length 120mm, PG13,5
<b>Interface</b>	RS-232 or USB, binary format 2 x Analogue 4..20 mA / 0...5V
<b>Power</b>	24V, 60mA (15-30V e.g. provided by the OceanPack)
<b>Connector</b>	SMEK / Sixplug industrial connector, IP68
<b>Housing</b>	Electrode: POM flow-through armature, IP68 6 Bar, PG13,5 Amplifier: DIN EN 50022-35, IP40 (build into the OceanPack Datalogger)
<b>Fittings</b>	Quick-connectors for water tubes ½" or DN15
<b>Accessories</b>	Flow-through armatures, Battery packs, mooring frame, Datalogger, OceanPack flow-through (underway, FerryBox) system.

In cooperation with



Optimized for vessel operations with flow-through systems and long-time deployments with less maintenance access.

