

# **XLlogger**

## **Stainless Steel Temperature Sensor**

### **XLS1001**



#### **Technical Specifications**

Range:  $-25^{\circ}\text{C}$  -  $+125^{\circ}\text{C}$

Resolution:  $\pm 0.1^{\circ}\text{C}$

Chemical Resistance: 15 minutes in 1M HCl

Response Time (90%): 10s

Reading Interval: 0.5s

Probe Properties: Stainless steel with thermistor temperature element at tip

#### **Instructions**

- The stainless steel temperature sensor is suitable for a wide variety of experiments in the range  $-25^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- The sensing element is at the tip of the probe.
- The stainless steel probe is chemically resistant and can endure 10-15 minutes in 1M HCl; however, the probe should not be immersed in liquid for long periods of time.
- Care should be taken during experiments to protect the connecting cables and sensor interface as these are not heat or chemical resistant.