All ACR Data Loggers that have internal temperature sensors use ACR's ET-016 thermistor. Thermistors are non-linear. This means that the accuracy of the sensor varies over the entire temperature range of the logger. This page outlines the accuracy curves for the following product lines that use the ET-016 thermistor: SmartReader, SmartReader Plus, OWL (if using standard range), JR. and the Bottle Logger. These curves also apply to the ET-016 external thermistor probes with lengths less than 100 feet.

ET-016 Temperature Sensor Accuracy with SmartReader, JR., OWL, and Bottle Data Loggers

ET-016 Temperature Sensor Accuracy with SmartReader Plus Data Loggers