Test Report

Requirement/Criteria	Desired Value	Test Result	Recorded Value
TS-EE-1007	Cable is $2.0 \pm 0.1 \text{ m}$	pass	Sensor 1: 1.98 m
			Sensor 2: 1.96 m
TS-EE-1004	Bounces without breaking	pass	NA
TS-EE-1005	and not damaged in ice		
	water		
TS-EE-1004	Box can withstand drop	pass	NA
	from table and be turned		
	upside down		
TS-EE-1004	Cables do not break when	pass	NA
	box is dropped		
TS-EE-1003	Box operates normally	pass	"unplugged" displays
	when sensors are		for all sensors when
	unplugged		unplugged
TS-EE-1002	When the switch is off, the	pass	"System Off" on the
	display and website do not		GUI is visible and
	list temperature data		display is off
TS-EE-1006	When the switch is on, all	pass	NA
	physical components		
	should work, and the		
	website should display		
	temperature data		
TS-SW-1002	Physical display should	pass	NA
	update temperature data		
	within 20ms delay of		
	receiving the data from		
	sensors		

information based on the button(s) being pressed TS-SW-1004 If sensor is disconnected, display shows an error message TS-EE-1001 Third box is powered by a battery and switch battery and switch TS-EE-1002 When switch is toggled off, the box is powered down TS-SW-1001 Displays data from two temperature sensors on a information based on the button(s) being pressed Pass Entire circuit turns off when the switch is flipped off Data is visible.
TS-SW-1004 If sensor is disconnected, display shows an error message TS-EE-1001 Third box is powered by a battery and switch battery and switch TS-EE-1002 When switch is toggled off, the box is powered down TS-SW-1001 Displays data from two temperature sensors on a NA Box uses 2 3.6V batteries in series to power the circuit Entire circuit turns off when the switch is flipped off Data is visible.
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GUI and physical display
TS-SW-1005 When no power being pass "System Off" visible as
supplied into system the power is cut to the
GUI displays "System off" board.
TS-SW-1006 Display last 300 seconds of pass Data is plotted for valid
data and it goes. Data values for all sensors.
crosses from right to left. Graph is valid for last
300 seconds of data.
Data scrolls in all these
cases.
TS-SW-1007 Graphical UI plots data pass Plotted data stopped
when the sensor is only when the sensors
disconnected, powered off, were unplugged,
or if the system is not powered off, or system
supplying power. Graphical was powered off.
UI keeps scrolling the old-

	time data if sensor		
	disconnected or etc.		
TS-SW-1008	Contain buttons to let the	pass	NA
	user control Celsius and		
	Fahrenheit.		
TS-SW-1009	GUI lets users select	pass	Test email was sent and
	SMS/Email thresholds for		visible in user's inbox
	each individual sensor		
	including sends message		
	when threshold is broken.		
TS-SW-1010	System connects to the	pass	NA
	internet, allowing access to		
	the GUI and sensor data		
	from any remote location.		
TS-EE-1005	Temperature sensors within	pass	Room temperature was
	\pm 2°C when in ice water		roughly 23°C and
	and ± 4 °C at room		sensor read 22.35°C.
	temperature		Ice water was roughly
			0°C and sensor read
			0.34°C.