



Hydrographic Survey Products, Inc Houston – Texas

Blue Tooth Smart Sensor Cable Pay-Out Sensor

QUICK START GUIDE

OPERATION

Consult the Component ID document to identify the cables, charges and components for the SCC BT system.

- ❖ If the SCC BT sensor was supplied from HSP and installed on a sheave block it will already be calibrated.
- ❖ Plug the Operate Plug into the Sensor – LED will flash Red / Green a few times. Make sure the locking ring is secure.

- ❖ Install the sheave block and pass tow cable thru sheave.

- ❖ Pair sensor with a PC equipped with a Bluetooth transceiver or a Smart Phone with a Bluetooth Terminal App. The Sensor password will be **1 2 3 4**. Use any Bluetooth Serial Terminal App or any other terminal program to inspect data string from Sensor.
 - OR
- ❖ Install Active Antenna and connect to Display / Interface unit using interface cable. Note Active antenna should be 30ft line of sight to sensor. The active antenna will output RS232 serial data at 9600 8N1. The active antenna can also be used with the Test Cable.

- ❖ Deploy towed system as normal. When sensor is just at the water surface stop deployment.

- ❖ Use Serial Com to send **!!RT00000** to zero the sensor. This can be done at any time during operation and can be used to reset the cable to any value. ie to change cable out to 25 send **!!RT00025** (Must always send 5 digits).
 - OR
- ❖ If using the Display / Interface with the Active Antenna set to the required preset value and press the “Reset” push button twice. The Sensor will reset after a few seconds and recommence normal operation.

- ❖ **RECALIBRATING THE SENSOR**
- ❖ **CHANGE UNITS OF OPERATION**
- ❖ **CHANGE PRESET START POINT**
- ❖ **CHANGE OUTPUT RATE**
- ❖ **CHANGE THE SENSOR ID**

- ❖ Use the Bluetooth Serial Terminal (or similar) to send **!!RTCONF**. A simple menu will allow the above parameters to be changed.

- ❖ Deploy the cable in the normal fashion. Bluetooth Serial Terminal will show the deployed cable length in real time as it is deployed and recovered.

CHARGING THE SENSOR

- ❖ Remove the operate Plug
- ❖ Plug in the charger module connected to a USB port.
- ❖ Charger LED will be RED and change to BLUE when charge is completed.
- ❖ When charged – remove charger and replace protective cover.

It is good practice to check the sensor calibration periodically

- ❖ Measure the circumference of the sheave wheel in the same units as required for operation.
- ❖ Pair with any computer as normal.
- ❖ Run Serial Com and send **!!RTCONF** to enter configuration utility. From the configuration utility the operator can change all configurable parameters (see manual for detailed operation of the Configuration Utility)

