

## BlueCool Truck System Reader for the Cold Storage Core Digital Temperature Sensor

### General Information

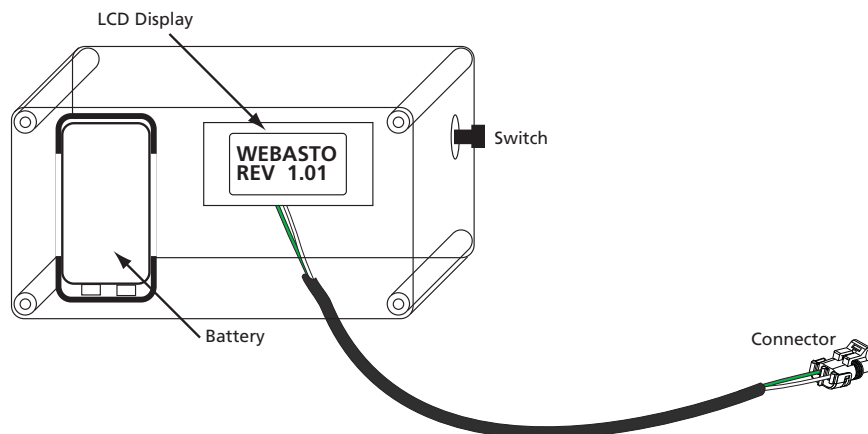
The primary function of the BlueCool Truck (BCT) Digital Temperature Sensor Reader (P/N BCT010194A) is to interface with the digital temperature sensor, located in the BCT cold storage core, and to output the temperature in Celsius and Fahrenheit scales. The Sensor Reader is powered by a 9 VDC battery (included).

### Ordering

The complete kit with instructions can be ordered under part number BCT010249A.

#### NOTE:

Should the sensor not respond, the LCD display will read: "T: ERROR", indicating there is a fault with the digital temperature sensor or damage to the connector or wiring.



### Operating instructions

#### Connecting

Disconnect the digital temperature sensor, located in the back of cold storage core and charging unit, from the wiring harness at the connector. Carefully plug in the Sensor Reader connector into the mating connector of the digital temperature sensor. Turn the test tool ON as described in the ON Mode section.

#### NOTE:

It is only possible to insert the connector one way.

#### On Mode

The Sensor Reader is turned ON using a momentary switch.

Press and hold the button located on the side of the Sensor Reader for one to two seconds. Release the button when "WEBASTO REV 1.01" appears on the LCD display.

#### NOTE:

If the cold storage core digital temperature sensor is not plugged into the Sensor Reader, the LCD display will read: "T: ERROR".

## **Off Mode**

The Reader will automatically turn itself OFF after approximately five minutes.

The user can manually force the device to turn off at anytime by holding down the switch for one to two seconds. The LCD display will read "Bye..." to indicate the device is shutting down.

## **Additional Functionality**

By plugging in a temperature sensor P/N BCT010092A, (the same sensor that is used in the storage core), it is possible to check if the test tool is working properly or to use the sensor as a temperature measurement tool.

The sensor is sealed at the tip but it is not suggested to submerge more than the encapsulated portion in a liquid. The sensor takes three to five minutes to adjust to a new environment.

## **Battery Replacement**

Normally the battery will not require replacement for several years but if the unit should fail to turn ON then the battery may need to be replaced. To replace the battery, remove the four Phillips head screws from the back cover.

Remove the back panel of the enclosure and carefully remove the internal components/ circuit board.

The wire to the sensor and the wire to the switch will only permit the board to be removed just enough to replace the battery.

Remove the battery and replace with a new one.

Place the circuit board back into the enclosure and replace the back panel and screws.