This wireless reader handles most functions in an intuitive manner so that the same button that turns on the reader also links the wireless Bluetooth<sup>™</sup> connection and activates the antenna to read, display, and store or transmit all tags. The EUT is an ISO reader; it reads all RFID tags, which are in compliance with the animal ISO 11784- 11785 protocol. The I.D.ology ISO-Cane Reader is a Class 1 unit that has a transmission link range of 330 feet. Even more important is that the ISO-Cane links automatically when power is applied and it can be deployed either as a point-to-point or a point-to-multipoint solution. The 134 kHz RFID reader is on CW for 60 mS and off for 20 mSec.

The Antennas are inside the EUT and are permanently installed inside the EUT.

## **Specifications**

RFID Reader Operating Frequency RFID Tag Protocol ISO 1 RFID RF Power Ouput	
Bluetooth Transmission Carrier Frequency2.4 to 2.4835 Giga Hertz hopping Bluetooth™ frequencyBluetooth Modulation Method GFSK,1Mbps, 0.5BT GaussianBluetooth Transmission PowerClass 1 (max 20dBm) SPP compatibleBluetooth Hopping1600 hops/sec, 1MHz channelBluetooth Receiving Signal Range-84 to -20dBmBluetooth Receiving IF Frequency1.5 MHz center frequency	
Physical Characteristics	Length 16"-43" depending on options 3.5" Height 9"
Weight 2 lbs to 3 lbs depending on optionsEnvironmental CharacteristicsOperating Temperature -10° to 75° C (+14° to +165° F)LCD Display stops functioning at 0° C but reader and link still work.Storage Temperature -20° to 75° C (-4° to +165° F)Relative Humidity 5% to 95% (non-condensing)Rain & Dust Resistance IP-64 compliantDrop Spec. Withstands 4' drop 15 times onto concreteBattery Type Ni Metal Hydride 7.5v, (5 x 2000 mAh cells)Battery Life 12 to 18 hours, application dependantRecharging Time: 4 hours	