CEENBoT Specifications

- Dimensions: 10”X11”X4” (lXwXh)
  - l) From bumper to rear wheel bracket
  - w) From outside to outside of wheels
  - h) From ground to top of acrylic
- Top Acrylic Dimensions: 8”X6”
- Weight (base model): Approximately 2kg
- Battery Voltage: 7.2VDC (NiCd or NimH)
- Max. current draw: 4A (fused)
- Logic Voltage: 5.0VDC
- Operating quiescent current: 200mA
- Charging: 12VDC 3A Max. , 12VDC 500mA typical
- Charge time: 4 hours typical (base model with 1500mAh NiCd)
- Charger Type: Integrated smart charger with external transformer
- Drive time: 30min continuous (base model with 1500mAh NiCd)
- Drive: (2) NEMA 17 7.2VDC 1.3A bi-polar stepper motor with a 1.8° step angle
- Speed range: 0-2.5mph (measured on flat surface)
- Torque range: 50 oz. in. @ 60rpm /0 oz. in @ 420 rpm
- Optical Sensing Distance: 3cm typical
- Suspension Type: single oiled dampened coil over shock absorber with sway bar stabilizers
- Suspension Travel: 1.50”

CEENBoT Current Characteristics:
With X-bee remote:
Measured Quiescent current = 344mA
Motors at max speed = 2.16A
Motors at min. speed = 3.56A
Brake mode (1-phase) = 2.54A
One Brake (both are equal) = 1.54A
Quiescent X-bee remote = 82mA
Receiving X-bee remote= 97mA

With PSX remote:
Measured Quiescent current = 294mA
Motors at max speed = 2.08A
Motors at min. speed = 3.40A
Brake mode (1-phase) = 2.50A
One Brake (both are equal) = 1.50A
Quiescent X-bee remote = 32mA
Receiving X-bee remote= 45mA