

### Meter settings for Astro AI Digital Multimeter

#### Voltage:

- Black Wire to COM port
- Red Wire to VΩmA port
- Select “20” on Voltage

#### Amperage

- Black Wire to COM port
- Red Wire to 10A max port
- Select “10” on Amperage

#### AA, AAA, C and D – Alkaline<sup>1</sup>

- Voltage<sup>2</sup>:
  - Good: >1.5V
  - Fair: 1.2-1.3 V
  - Poor: <1.2V
- Amperage:

○ Good:	AA >5A	AAA >3A	C > 5.3A	D > 6.2A
○ Fair:	AA 3-5A	AAA >2A	C > 3.5A	D > 4A
○ Poor:	AA <3A	AAA <2A	C < 3.5A	D < 4A

#### 9V

- Voltage
  - Good 9.6V or greater
  - Fair > 7.2V
  - Poor < 7.2V
- Amperage
  - Good: 3.0A or greater
  - Fair >2.4A
  - Poor < 2.4A

#### CR123

- Voltage:
  - Good: 3.0V or greater
  - Fair: 2.7V to 3V
  - Poor: <2.7V
- Amperage
  - Good: 7.4A or greater
  - Fair: 6.0A to 6.4A
  - Poor: <6.0A

---

<sup>1</sup> NiMH subtract 0.3 for Good and 0.1 for Fair; Poor is same

<sup>2</sup> For all alkaline batteries, general rule is V < 60% of design voltage means the battery should be switched.