

## Marine Engineering Exam Resource – Review of Electrical

1. What is an analog signal?  
A signal that can be variable in value.
2. How many inputs to outputs are on a P.L.C.?  
Input = output -o- input = output
3. In Ohms Law, how does voltage relate to amps?  
Voltage = Amperes X Resistance  $E = I \times R$
4. With regards to PLC memory, what does the term address refer to?  
Location in memory or of memory.
5. What type of meter is used to check a fuse?  
An Ohm meter.
6. What reading would you get when checking a short circuit with an ohmmeter?  
Zero ohms.
7. To test current in an electrical circuit what meter would you use?  
An ampere meter.
8. On an electric motor that has been out of service for a long period of time, what test would you do on it before it goes back into service?  
Meager Test. Ohm Test and a Resistance test.