

VIC Resistance

Since **pickup coil** (A) is also composed of or made of **resistive wire-coil** (Rl), then, total circuit resistance is given by (Eq 9)

$$Z = R_I + Z_2 + Z_3 + R_E \quad (\text{Eq 9})$$

Where,

RE is the dielectric constant of natural water. Ohm's Law as to applied electrical power, which is (Eq 10)

$$E = IR \quad (\text{Eq 10})$$

Where, (Eq 11)

$$P = EI \quad (\text{Eq 11})$$

Whereby, **Electrical power** (P) is an linear relationship between two variables, **voltage** (E) and **amps** (I).

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