

Answer on question #85183, Engineering / Electrical Engineering

What is the equation relating temperature and resistance for an RTD calibrator?

Solution

Equation relating temperature and resistance for an RTD calibrator:

$$R_T = R_{ref}(1 + \alpha(T - T_{ref}))$$

Where:

R_T - RTD resistance at current temperature T in ohms,

R_{ref} - the RTD resistance at a reference temperature Tref in ohms,

α - temperature coefficient of resistance

Answer provided by www.AssignmentExpert.com