SENSORS AND AUTOMATION ASSIGNMENT NO 1

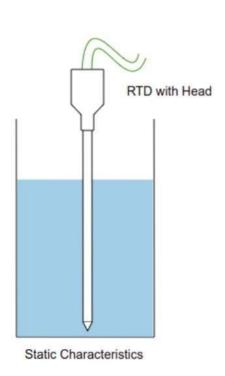
<u>AIM</u>: To understand the working principle of RTD.

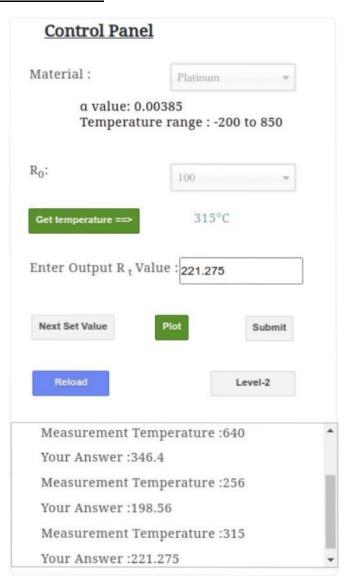
OBJECTIVES: 1. Study static and dynamic characteristics of RTD.

2. Study effect of various parameters on RTD performance.

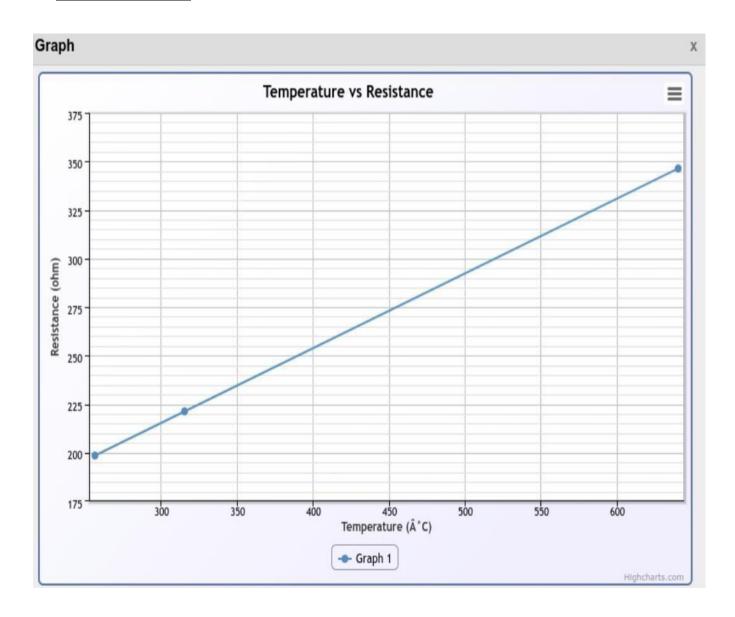
SIMULATED DAIGRAM FOR STATIC CHARACTERISTICS:

Level-1 Static Characteristics



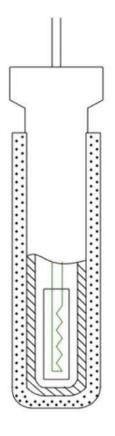


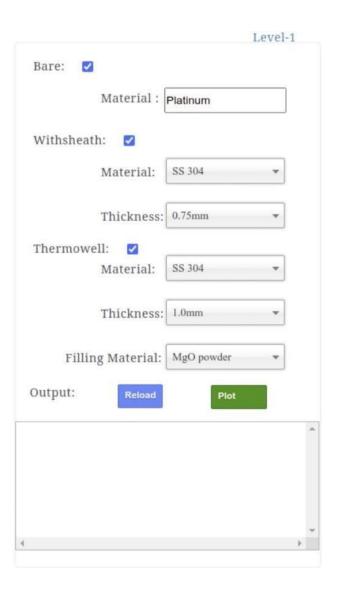
PLOTTED GRAPH:



SIMULATED DAIGRAM FOR DYNAMIC CHARACTERS:

Level-2 Dynamic Characteristics





TIME CONSTRAINTS:

TC- 1.17 seconds

TC - 3.42 seconds

TC- 10.63 seconds

PLOTTED GRAPH:

