

**UNIT V****Chapter 5 : Temperature Measurement 5-1 to 5-31**

Syllabus : Temperature and its units : Temperature scales and conversions. Classification of temperature measuring transducers : Filled system thermometer- vapour pressure thermometer. Expansion thermometer-Bimetallic thermometer. Electrical methods : Thermistors. RTD - (PT-100, 2/3 wire). Thermocouple – Law of intermediate temperature and intermediate metals Seebeck and Peltier effect, Types J, K, R, S, T. Pyrometer – Optical method, Radiation method. Typical specifications of thermistor, RTD and thermocouple. Calibration of temperature measuring transducers.

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