

## **TIME AND TEMPERATURE MONITOR**

*The Time and Temperature Monitor system is a system capable of indicating the real time and date, and also measuring and monitoring the current temperature. Real time and date displays are used to provide accurate time for its entire life span. In industrial environments, temperature measuring and monitoring are important as there are possibilities of malfunctioning of equipment due to temperature fluctuations. The time, date and temperature (in Celsius scale) are displayed at particular intervals/instances. With the help of a real time clock and microcontroller, accurate time and date are indicated. The current temperature is measured by the temperature sensor, digitized by the microcontroller which is then displayed. Even in the event of a power failure, accurate time can still be extracted due to the availability of battery backup for the real time clock.*

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