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# A Digital Thermometer

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A DIGITAL THERMOMETER

EET 491

Jeffrey N. Beresk

April 23, 1976

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## ABSTRACT

The digital thermometer, presented in this report, is designed to display temperature in Fahrenheit or Celsius units by setting a switch. Two temperature sensors are provided for, and can alternately display indoor and outdoor temperatures over a range encompassing most climatic conditions.

The analog to digital conversion combines linear integrated circuitry with TTL logic. Temperature is displayed on 2-1/2 digits comprised of light emitting diode readouts.