Abstract

In this paper, we describe The Digital Respiration Rate Meter, a device used to measure the rate of respiration. It consists of a transmitter section, receiver section and breathing setup. Transmitter section transmits IR waves which are cut by a displacement transducer in the breathing setup. This IR wave is sensed by the receiver section. The Controller section reads this and generates the count to be displayed. This is displayed on three seven-segment displays for read out.
References

- Leslie Cromwell; Fred J Weibell; Erich A Pfeiffer, 2011, Biomedical Instrumentation and Measurements, Prentice Hall.

Index Terms

Computer Science
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Keywords
Digital; Respiration; Rate; Meter.