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Article on Artificial Intelligence Infrared Wireless Thermometer (Temperature Monitoring)

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Abstract: *There are several approved procedures that have been created after years of study and development. The greatest precision is achieved by a form of physical touch between the estimating device and the patient. However, as recent events have demonstrated, there are some situations, such as viral pandemics, in which it is strongly advised to avoid direct contact with things that may be utilised by other people. The high viral contagion rate, such as the current COVID-19, can be best addressed by reaching the maximum level of prevention feasible. This work investigates infrared temperature measuring. We also suggest a simple arrangement based on infrared temperature sensors that might aid in the prediction of illness transmission in congested areas such as workplaces.*

Keywords: Infrared Sensors, Body Temperature, Health Care, Flu Prevention

REFERENCES

[1]. Quast, S.; Kim Berger, O. The Significance of Core Temperature— Pathophysiology and Measurement Methods; Dräger Medical GmbH: Lübeck, Germany, 2014.
[2]. http://www.ces.fau.edu/nasa/module-2/correlation-betweentemperature-and-radiation.php
[3]. Hsuan-Yu Chen, Andrew Chen, Taichung Chen, Investigation of the Impact of Infrared Sensors on Core Body Temperature Monitoring by Comparing Measurement Sites, MDPI, Basel, Switzerland, May 2020
[4]. Betta, V.; Cassette, F.; Sepe, D. An assessment of infrared tympanic thermometers for body temperature measurement. Physiol. Meas. 1997
[5]. Chung, W.; Chen, C. Evaluation of performance and uncertainty of infrared tympanic thermometers. Sensors 2010.
[6]. Ng, D.K.; Chan, C.H.; Lee, R.S.; Leung, L.C. Non-contact infrared thermometry temperature measurement for screening fever in children. Ann. Trop. Paediatric. 2005, 25, 267–275.