

SS 582 : Part 2 : 2020
(ICS 11.040.55)

SINGAPORE STANDARD

**Specification for thermal imagers for human
temperature screening**

– Part 2 : Implementation guidelines

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The content of this Singapore Standard was approved on 14 May 2020 by the Biomedical and Health Standards Committee (BHSC) under the purview of the Singapore Standards Council.

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Defence Science and Technology Agency
Fluke South East Asia Pte Ltd
Kandang Kerbau Women's & Children's Hospital
Nanyang Technological University
National Metrology Centre
STELOP Pte Ltd
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Foreword

This Singapore Standard was prepared by the Working Group on Thermal Imagers set up by the Technical Committee on Medical Devices under the purview of BHSC.

The 2013 edition of SS 582 resulted from the review of the Technical Reference, TR 15 : Parts 1 and 2. This is a revision of the 2013 edition. The revised standard comprises the following two parts under the general title, 'Specification for thermal imagers for human temperature screening':

- Part 1: Requirements and test methods
- Part 2: Implementation guidelines

A summary of the changes in this revision of Part 2 is given as follows:

- A new definition for "Indoor";
- Updated pictures in Annex B;
- Broadening of deployment cases for Annex C.

Part 2 provides guidelines, examples and deployment cases for the planning and deployment of thermal imagers for non-invasive human temperature screening of large groups of individuals under indoor environmental conditions.

In preparing this standard, reference was made to the following publications:

1. ASTM E1965-1998(2016) – Standard specification for infrared thermometers for intermittent determination of patient temperature
2. American College of Clinical Thermology Position Paper – Recommended screening protocol for the efficient, rapid recognition of hyperthermic individuals with SARS using clinical digital infrared thermal imaging in public places, 2003
3. IEC 80601-2-59:2017 – Medical electrical equipment – Part 2-59 : Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening
4. ISO/IEC 98-3:2008 Guide to the expression of uncertainty in measurement (GUM)

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Specification for thermal imagers for human temperature screening – Part 2: Implementation guidelines

1 Scope

This Singapore Standards provides general guidelines for the implementation of thermal imagers for non-invasive human temperature screening of large groups of individuals under indoor environmental conditions.

NOTE – Thermal imagers from different manufacturers would have their own particular operation procedures and it is not the purpose of this standard to regulate the usage of thermal imagers for this application.

2 Normative references

There are no normative references in this standard.