

SINGAPORE STANDARD

Specification for thermal imagers for human temperature screening

– Part 2 : Implementation guidelines

(Formerly TR 15 : Part 2)



SS 582 : Part 2 : 2013
(ICS 11.040.55)

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temperature screening**

– Part 2 : Implementation guidelines

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MTech Imaging Pte Ltd

National Metrology Centre

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Foreword

This Singapore Standard was prepared by the Work Group on Thermal Imagers under the direction of the Biomedical Standards Committee.

SS 582 which comprises the following two parts under the general title, 'Specification for thermal imagers for human temperature screening', resulted from the review of the Technical Reference, TR 15 : Parts 1 and 2, of the same titles:

- Part 1: Requirements and test methods – serves as a reference and guide for manufacturers to evaluate the performance of thermal imagers.
- Part 2: Implementation guidelines – provides user guidelines for effective and efficient deployment of thermal imagers for human temperature screening.

The implementation guidelines are developed based on actual deployment practices and implementation studies carried out by various organisations.

The 'NOTES' in the standard are for information only and are not to be construed as an addition to or modification of a requirement.

The standard is not intended to qualify an individual to set up a temperature screening operation, use a thermal imager to conduct screening of human temperature, or analyse the data. The use of this standard does not preclude users from potential errors and misinterpretations of the data derived from thermal imagers.

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

- ISO/IEC 80601-2-59:2008 – Medical electrical equipment, Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening
- ASTM E1965-1998(2009) – Standard specification for infrared thermometers for intermittent determination of patient temperature
- 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
- ISO international vocabulary of basic and general terms in metrology (VIM), 1993

Acknowledgement is made for the use of information from the above references.

Attention is drawn to the possibility that some of the elements of this SS may be the subject of patent rights. SPRING Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The changes in Singapore Standards are documented through the issue of either amendments or revisions.*
2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

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

1 Scope

This Singapore Standards (SS) 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 SS to regulate the usage of thermal imagers for this application.

2 Normative references

The following referenced document is indispensable for the application of this standard. For dated references, only the edition cited applies.

SS 582: Part 1 : 2013	Thermal imagers for human temperatures screen – Part 1 Requirements and test methods
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