

First edition
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**Road speed measuring systems –
Part 2: Radar speed measuring
equipment**



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National Foreword

This Mauritian Standard (MS 178-2:2012) was drawn up by the by the Mauritius Standards Bureau on the recommendation of the Metrology Standards Committee through its Subcommittee on Radar Equipment. It was approved by the Standards Council on March 2012. and was notified in the Government Gazette on 28 April 2012.

This Mauritian Standard is adapted from the South African Standard SANS 1795-2:2007 and was implemented with the permission of the South African Bureau of Standards.

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

MS 178 consists of the following parts, under the general title *Road speed measuring systems*:

Part 0: General requirements.

Part 1: Laser speed measuring equipment.

Part 2: Radar speed measuring equipment.

Part 3: Distance-over-time speed measuring equipment (fixed distance/variable time).

Part 4: Distance-over-time speed measuring equipment (variable distance/variable time).

Part 5: Data capturing and recording devices for measuring speed of vehicles.

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Road speed measuring systems

Part 2: Radar speed measuring equipment

1 Scope

This part of MS 178 specifies mechanical, electrical and operational requirements for radar speed measuring equipment that is intended for measuring speed of road vehicles

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of MS 178. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this part of MS 178 are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below.

IEC 60215, *Safety requirements for radio transmitting equipment.*

IEC 61010-1, *Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements.*

MS 178-0, *Road speed measuring systems – Part 0: General requirements.*

3 Definitions and abbreviations

For the purposes of this part of MS 178, the definitions and abbreviations given in clause 3 of MS 178-0 apply.

4 General requirements

The requirements given in clause 4 of MS 178-0 apply.

5 Metrological requirements

The requirements given in clause 5 of MS 178-0 apply, with the following modifications:

a) In 5.2, delete the existing text and insert the following:

5.2.1 The result of a measurement shall be displayed in digital form, in kilometres per hour.