

First edition
2012-04-28

**Road speed measuring systems –
Part 4: Distance-over-time
speed measuring equipment
(variable distance/variable time)**



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*Mauritius Standards Bureau
Villa Road
Moka
Mauritius*

*Telephone + (230) 433 3648
Fax + (230) 433 5051/ 433 5150
E-mail msb@intnet.mu*

National Foreword

This Mauritian Standard (MS 178-4:2011) 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 05.06.2011 and was notified in the Government Gazette on 05.06.2011.

This Mauritian Standard is adapted from the South African Standard SANS 1795-4:2007 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 4:

Distance-over-time speed measuring equipment (variable distance/variable time)

1 Scope

This part of MS 178 specifies mechanical, electrical and operational requirements for mobile speed measuring equipment that is installed in an observer vehicle, that calculates speed based on measurements of distance and time, and 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:

SANS 1441, *Speedometer equipment on motor vehicles.*

MS 178-0, *Road measuring speed 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, with the following modification:

In 4.1, delete the existing text and insert the following:

The measuring instrument shall be specifically constructed for measuring the passage of time and the distance travelled, and for calculating the speed of the observed vehicle.