

ISO 21994:2007-06 (E)

Passenger cars - Stopping distance at straight-line braking with ABS - Open-loop test method

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Variables	2
5.1 Reference system	2
5.2 Variables to be measured	2
6 Measuring equipment	2
6.1 Description	2
6.2 Transducer installation	3
6.3 Calibration	3
6.4 Data processing	3
7 Test conditions	3
7.1 General test conditions	3
7.2 General data	4
7.3 Test track	4
7.4 Environmental conditions	4
7.5 Test vehicle	4
8 Test procedure	5
8.1 Test preparation	5
8.2 Measurements	6
9 Data evaluation and presentation of results	7
9.1 General	7
9.2 Nomenclature of distances and decelerations	8
9.3 Determination of normalized stopping distance $s_{A100,norm}$	8
9.4 Determining of ABS-braking distance $s_{L90,norm(100)}$ (optional)	10
9.5 Determination of normalised build-up distance $s_{F10,norm}$ (optional)	10
Annex A (informative) Test report -- General data	11
Annex B (informative) Test report -- Test conditions and results	12
Annex C (informative) Test sequence, specific terms and background information	14
Annex D (normative) Method for determination of F_{ABS}	18
Annex E (normative) Requirements for measurements and measuring equipment	22
Annex F (normative) Structure of the stopping distance calculation	24
Bibliography	25