

DIN EN 12966-1:2010-03 (E)

Road vertical signs - Variable message traffic signs - Part 1: Product standard (includes Amendment A1:2009)

| Contents | Page |
|--|-------------|
| Foreword | 3 |
| Introduction | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 6 |
| 4 Dimensions and tolerances | 8 |
| 5 General design requirements | 9 |
| 6 Materials | 9 |
| 7 Visual performance | 9 |
| 8 Physical performance | 18 |
| 9 Test methods | 21 |
| 10 Product classification codes | 35 |
| 11 Marking, labelling and product information | 36 |
| 12 Evaluation of conformity | 37 |
| 13 Dangerous substances | 37 |
| Annex A (normative) Equivalent area | 38 |
| Annex B (informative) Terminology used in this document | 45 |
| Annex C (informative) !!!!Guidance on graphics for discontinuous light emitting signs"""" | 47 |
| Annex D (informative) !!!!Guidance on dimensions and class combinations for discontinuous light emitting signs"""" | 58 |
| Annex E (informative) Specific design issues | 66 |
| Annex F (informative) Design of VMS messages | 68 |
| Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives | 70 |
| Bibliography | 77 |