ISO 15003:2006-02 (E)

Agricultural engineering - Electrical and electronic equipment - Testing resistance to environmental conditions

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 General 3
4.1 General conditions for testing 3
4.2 Test sequence 3
4.3 Test report 3
4.4 ISO 16750 compliance 4

5 Tests 4
5.1 General 4
5.2 Cold and dry heat 4
5.3 Damp heat, steady state 7
5.4 Damp heat, cyclic 7
5.5 Impact 9
5.6 Vibration 10
5.7 Corrosive atmosphere 12
5.8 Degrees of protection provided by enclosures (IP Code) 12
5.9 Air pressure (altitude) 13
5.10 Chemical brush or spray 14
5.11 Solar radiation (ultraviolet) 15
5.12 Readability of displays 15
5.13 Electromagnetic compatibility 16
5.14 Electrical environment 16

Annex A (informative) Example test report 19

Annex B (informative) Machinery/equipment codes and guidance for use of severity levels 20

Bibliography 25