

ISO/TR 16208:2014-01 (E)

Corrosion of metals and alloys - Test method for corrosion of materials by electrochemical impedance measurements

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principles	3
4.1	Simple corroding system	3
4.2	Presentation of impedance by a complex number	5
4.3	Impedance spectra of circuit elements	6
4.4	Presentation of a simple corroding system	7
5	Apparatus	9
5.1	General	9
5.2	Test cell	10
5.3	Electrode holder	10
5.4	Electrode material	10
5.5	Reference electrode	11
5.6	Electrolyte	11
6	Specimen preparation	11
7	Solution preparation	11
8	Dummy cell	11
9	Procedure	11
10	Data analysis	12
11	Test report	14
Annex A (informative)	Dummy cell	15
Annex B (informative)	Data analysis	17
Bibliography		23