

ISO 18089:2015-11 (E)

Corrosion of metals and alloys - Determination of the critical crevice temperature (CCT) for stainless steels under potentiostatic control

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Principle		2
5 Equipment		2
6 Procedure		3
6.1 Preparation of reference electrodes		3
6.2 Preparation of specimen		3
6.3 Preparation of solution		4
6.4 Setting up the test		4
6.5 Ending test		5
7 Assessment of results		5
8 Test report		5
Annex A (informative) Examples of how the connections of the electrode can be made		7
Annex B (normative) Schematic representation of different crevice formers used for CCT-measurements		8
Annex C (normative) Calibration of specimen temperature vs. solution temperature if a specimen holder is used		11
Annex D (informative) Potential difference of selected reference electrodes at 25 °C with respect to the standard hydrogen electrode (SHE)		12
Bibliography		13