DIN ISO 17657-1:2006-02 (E)

Resistance welding - Welding current measurement for resistance welding - Part 1: Guidelines for measurement (ISO 17657-1:2005)

Contents

Page

Foreword 2

Introduction 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Welding current measuring system 6
4.1 General 6
4.2 Applicability 6
4.3 Accuracy 6
4.4 Welding current meter with current sensing coil 7

5 Current sensors 8
5.1 Type of sensor 8
5.2 Selection of current sensor 8
5.3 Conversion coefficient 8

6 Tests and calibration of the welding current measuring systems 9

7 Selection of requirements and test procedures for a welding current measuring system 9

Annex A (normative) Definition of weld times 11

Annex B (informative) Types of integrator and equivalent current sensing coil circuits 12

Annex C (informative) Conversion coefficient and maximum output voltage of current sensing coils 14