

ISO 9934-3:2002-07 (E)

Non-destructive testing - Magnetic particle testing - Part 3: Equipment

Contents

Page

| | |
|---|----|
| Annex ZZ (normative) Corresponding International and European Standards for which equivalents are not given in the text | 14 |
| Foreword | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Safety requirements | 1 |
| 4 Types of devices | 1 |
| 4.1 Portable electromagnets (AC) | 1 |
| 4.2 Current generators | 3 |
| 4.3 Magnetic benches | 5 |
| 4.4 Specialized testing systems | 7 |
| 5 UV-A sources | 8 |
| 5.1 General | 8 |
| 5.2 Technical data | 8 |
| 5.3 Minimum requirements | 8 |
| 6 Detection media system | 9 |
| 6.1 General | 9 |
| 6.2 Technical data | 9 |
| 6.3 Minimum requirements | 9 |
| 7 Inspection booth | 9 |
| 7.1 General | 9 |
| 7.2 Technical data | 9 |
| 7.3 Minimum requirements | 10 |
| 8 Demagnetization | 10 |
| 8.1 General | 10 |
| 8.2 Technical data | 10 |
| 8.3 Minimum requirements | 10 |
| 9 Measurements | 10 |
| 9.1 General | 10 |
| 9.2 Current measurement | 11 |
| 9.3 Magnetic field measurement | 11 |
| 9.4 Visible light measurement | 11 |
| 9.5 UV-A irradiance measurement | 12 |
| 9.6 Verification and calibration of instruments | 12 |
| Bibliography | 13 |