

DIN EN ISO 9934-3:2015-12 (E)

Non-destructive testing - Magnetic particle testing - Part 3: Equipment (ISO 9934-3:2015)

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Foreword | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Safety requirements | 5 |
| 4 Types of devices | 5 |
| 4.1 Portable electromagnets (AC)..... | 5 |
| 4.1.1 General..... | 5 |
| 4.1.2 Technical data..... | 6 |
| 4.1.3 Technical requirements..... | 7 |
| 4.1.4 Additional requirements..... | 7 |
| 4.2 Current generators..... | 7 |
| 4.2.1 General..... | 7 |
| 4.2.2 Technical data..... | 8 |
| 4.2.3 Technical requirements..... | 9 |
| 4.3 Magnetic benches..... | 9 |
| 4.3.1 General..... | 9 |
| 4.3.2 Technical data..... | 9 |
| 4.3.3 Technical requirements..... | 10 |
| 4.3.4 Additional requirements..... | 10 |
| 4.4 Specialized testing systems..... | 10 |
| 4.4.1 Technical data..... | 11 |
| 4.4.2 Technical requirements..... | 11 |
| 5 UV-A sources | 12 |
| 5.1 General..... | 12 |
| 5.2 Technical data..... | 12 |
| 5.3 Technical requirements..... | 12 |
| 6 Detection media system | 12 |
| 6.1 General..... | 12 |
| 6.2 Technical data..... | 12 |
| 6.3 Technical requirements..... | 13 |
| 7 Inspection booth | 13 |
| 7.1 General..... | 13 |
| 7.2 Technical data..... | 13 |
| 7.3 Technical requirements..... | 13 |
| 8 Demagnetization | 14 |
| 8.1 General..... | 14 |
| 8.2 Technical data..... | 14 |
| 8.3 Technical requirements..... | 14 |
| 9 Measurements | 14 |
| 9.1 General..... | 14 |
| 9.2 Current measurement..... | 14 |
| 9.3 Magnetic field measurement..... | 15 |
| 9.3.1 General..... | 15 |
| 9.3.2 Technical data..... | 15 |
| 9.3.3 Technical requirements..... | 15 |
| 9.4 Viewing conditions..... | 15 |
| 9.5 Verification and calibration of instruments..... | 15 |
| Bibliography | 16 |