DIN EN ISO 5171:2019-09 (E)

Gas welding equipment - Pressure gauges used in welding, cutting and allied processes (ISO 5171:2019)

Contents

Page

European foreword ... 3

Foreword ... 4

1 Scope ... 5

2 Normative references ... 5

3 Terms and definitions ... 5

4 Pressure ... 6
4.1 Unit of pressure ... 6
4.2 Maximum scale reading ... 6
4.3 Maximum pressure mark ... 6

5 Manufacturing requirements ... 7
5.1 Materials ... 7
5.1.1 General ... 7
5.1.2 Oxygen pressure gauges ... 7
5.2 Design and dimensions ... 8
5.2.1 Operational equipment ... 8
5.2.2 Dimensions ... 8
5.2.3 Dial and pointer ... 12

6 Safety ... 12

7 Marking ... 12

8 Tests ... 13
8.1 General ... 13
8.2 Accuracy ... 14
8.3 Torsion test ... 14
8.4 Bend test ... 15
8.5 Case vent test ... 16
8.6 Overpressure and leakage test ... 17
8.6.1 Test A ... 17
8.6.2 Test B ... 18
8.7 Flammability test ... 18

Bibliography ... 19