

# DIN EN ISO 14577-4:2007-08 (E)

**Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 4: Test method for metallic and non-metallic coatings (ISO 14577-4:2007)**

---

<b>Contents</b>	<b>Page</b>
Foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	5
3 Symbols and designations .....	6
4 Verification and calibration of testing machines .....	6
5 Test pieces .....	8
5.1 General .....	8
5.2 Surface roughness .....	8
5.3 Polishing .....	9
5.4 Surface cleanliness .....	9
5.5 Special requirements for paints and varnishes .....	9
6 Procedure .....	10
6.1 Test conditions .....	10
6.2 Measurement procedure .....	13
7 Data analysis and evaluation of results for indentation normal to the surface .....	15
7.1 General .....	15
7.2 Coating indentation modulus .....	16
7.3 Coating indentation hardness .....	17
8 Test report .....	20
Annex A (normative) Frame compliance calibration procedure .....	21
Annex B (normative) Contact point and fully elastic regime .....	25
Bibliography .....	27