

# ISO 3567:2011-12 (E)

## Vacuum gauges - Calibration by direct comparison with a reference gauge

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbols and abbreviated terms .....	3
5	General principle .....	4
6	Requirements .....	4
6.1	Design of calibration chamber .....	4
6.2	Plumbing of gauges to calibration chamber .....	5
6.3	Vacuum and gas inlet system .....	6
6.4	Calibration gas .....	6
6.5	Thermometers and ambient conditions .....	6
6.6	Reference gauge .....	7
7	Calibration .....	7
7.1	Procedure .....	7
7.2	Evaluation of measurements .....	9
7.3	Measurement uncertainty .....	9
8	Calibration certificate .....	10
Annex A (informative) Example of possible calibration system set-up .....		11
Annex B (informative) Problems in practice .....		12
Bibliography .....		14