

DIN ISO 21360-1:2016-09 (E)

Vacuum technology - Standard methods for measuring vacuum-pump performance - Part 1: General description (ISO 21360-1:2012)

Contents		Page
National foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols and abbreviated terms	7
5	Test methods	8
5.1	Volume flow rate (pumping speed) measurement by the throughput method	8
5.2	Volume flow rate (pumping speed) measurement by the orifice method	12
5.3	Volume flow rate (pumping speed) measurement by the pump-down method	17
5.4	Measurement of the base pressure	21
5.5	Measurement of the compression ratio and the critical backing pressure	22
Annex A (informative) Mean free path of some important gases		26
Annex B (informative) Measuring uncertainties		27
Bibliography		30