

ISO 27894:2009-12 (E)

Vacuum technology - Vacuum gauges - Specifications for hot cathode ionization gauges

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	6
5	Principle of hot cathode ionization gauge	7
6	Specifications for hot cathode ionization gauge to be provided by manufacturers	7
7	Additional (optional) specifications for hot cathode ionization gauge to be provided by manufacturers	10
8	Influences contributing to the measurement uncertainty with hot cathode ionization gauges	11
	Annex A (informative) Typical Bayard-Alpert gauge with a glass envelope	14
	Annex B (informative) Typical electrical connection of a Bayard-Alpert gauge	15
	Annex C (informative) Problems with ionization gauges	16
	Bibliography	18