



BSI Standards Publication

Vacuum technology — Vacuum gauges — Specifications, calibration and measurement uncertainties for Pirani gauges

National foreword

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**Vacuum technology — Vacuum
gauges — Specifications, calibration
and measurement uncertainties for
Pirani gauges**

*Technique du vide — Manomètres à vide — Spécifications, étalonnage
et incertitudes de mesure pour les jauges Pirani*





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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	4
5 Principle of Pirani gauge	4
6 Specifications for Pirani gauge	5
6.1 General	5
6.2 Measuring principle	5
6.3 Type of output	5
6.4 Range of output and output display resolution	5
6.5 Measurement range and full scale	5
6.6 Expected measurement uncertainty	5
6.7 Material exposed to gas	5
6.8 Connecting flange	5
6.9 Interface and pin-connections	6
6.10 Warm-up period	6
6.11 Compatibility between gauge tube and controller	6
6.12 Normal operating (environment) conditions	6
6.13 Electrical power supply	6
6.14 Cable length	6
6.15 Maximum bake-out temperature	6
6.16 Dimensions of gauge head and controller	6
6.17 Mounting orientation	6
7 Additional (optional) specifications for Pirani gauge	6
7.1 Long-term instability	6
7.2 Relative sensitivity factor	7
7.3 Hysteresis	7
7.4 Response time	7
7.5 Inspection record and calibration certificate	7
7.6 Configuration	7
7.7 Weight	7
7.8 Storage and transport condition	7
7.9 Photographs	7
7.10 Maximum power consumption	7
7.11 Set point of pressure	7
8 Calibration and other measurement procedures	7
8.1 General	7
8.2 Conditions for calibrations	8
8.3 Assembly and adjustments of calibration item	8
8.4 Calibration	9
8.5 Measurement uncertainties during calibration	9
8.6 Calibration certificate	9
8.7 Measurement procedure for hysteresis	10
8.8 Measurement procedure of response time	10
9 Measurement uncertainties at use	10
Annex A (informative) Typical Pirani gauge	12
Bibliography	13

Foreword

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This document was prepared by Technical Committee ISO/TC 112, *Vacuum technology*.

Introduction

ISO 3567 and ISO 27893 are basic standards with no specific guidelines of a special type of vacuum gauge and are generally applicable. Detailed guidance for a specific gauge is intended to be given in separate technical specifications for the calibration of special types of gauges.

This document complements ISO 3567 and ISO 27893 when characterizing or calibrating Pirani gauges or using them as reference gauges.

Pirani gauges are widely used to measure pressures in the medium vacuum up to atmospheric pressure. The relevant parameters, calibration guidelines and uncertainties for the dissemination of the pressure scale and measurement of low and medium vacuum pressures by a Pirani gauge are described in this document.