International Standard

ISO 24477

Vacuum technology — Vacuum gauges — Specifications, calibration and measurement uncertainties for spinning rotor gauges

Technique du vide — Manomètres à vide — Spécifications, étalonnage et incertitudes de mesure pour manomètres à rotor

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Foreword

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

This second edition cancels and replaces the first edition (ISO 24477:2022), which has been technically revised.

The main changes are as follows:

— 8.2.3 Calibration method B for $\sigma_{eff,0}$ has been technically revised

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document complements ISO 3567 and ISO 27893 when characterizing, calibrating or using spinning rotor gauges (SRGs) as reference gauges.

SRGs are used to measure pressure in the high and medium vacuum. For the dissemination of the pressure scale and measurement of high and medium vacuum pressures by this gauge, the relevant parameters, calibration guidelines and uncertainties should be given, which are described in this document.