

STN	Piestové odmerné prístroje Časť 6: Gravimetrický referenčný postup merania na stanovenie objemu (ISO 8655-6: 2022, opravená verzia 2022-06)	STN EN ISO 8655-6 70 4110
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Piston-operated volumetric apparatus - Part 6: Gravimetric reference measurement procedure for the determination of volume (ISO 8655-6:2022)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/22

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English Version

**Piston-operated volumetric apparatus - Part 6:
Gravimetric reference measurement procedure for the
determination of volume (ISO 8655-6:2022, Corrected
version 2022-06)**

Appareils volumétriques à piston - Partie 6: Mode
opérateur de mesure gravimétrique de référence pour
la détermination de volumes (ISO 8655-6:2022,
Version corrigée 2022-06)

Volumenmessgeräte mit Hubkolben - Teil 6:
Gravimetrisches Referenzprüfverfahren zur
Bestimmung des Volumens (ISO 8655-6:2022,
korrigierte Fassung 2022-06)

This European Standard was approved by CEN on 13 February 2022.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 29 June 2022.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 8655-6:2022 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 8655-6:2022) has been prepared by Technical Committee ISO/TC 48 "Laboratory equipment" in collaboration with Technical Committee CEN/TC 332 "Laboratory equipment" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 8655-6:2002, EN ISO 8655-6:2002/AC:2009.

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Endorsement notice

The text of ISO 8655-6:2022, Corrected version 2022-06 has been approved by CEN as EN ISO 8655-6:2022 without any modification.

INTERNATIONAL STANDARD

ISO 8655-6

Second edition
2022-04

Corrected version
2022-06

Piston-operated volumetric apparatus —

Part 6: Gravimetric reference measurement procedure for the determination of volume

Appareils volumétriques à piston —

*Partie 6: Mode opératoire de mesure gravimétrique de référence pour
la détermination de volumes*



Reference number
ISO 8655-6:2022(E)

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Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
5 Test equipment	2
5.1 General.....	2
5.2 Balance.....	2
5.3 Liquid reservoir.....	3
5.4 Weighing vessel.....	3
5.5 Measuring devices.....	3
6 Test liquid	3
7 Test conditions	3
7.1 General.....	3
7.2 Test room.....	3
7.3 Evaporation.....	4
7.4 Test cycle time.....	4
8 Procedure	4
8.1 General.....	4
8.1.1 Test volume.....	4
8.1.2 Number of measurements.....	4
8.1.3 Weighing procedure.....	4
8.1.4 Test conditions during weighing procedure.....	5
8.1.5 Dispensing of samples.....	5
8.2 Preparation.....	5
8.3 Single-channel air displacement pipettes (in accordance with ISO 8655-2).....	5
8.3.1 General.....	5
8.3.2 Test cycle.....	5
8.4 Multi-channel pipettes (in accordance with ISO 8655-2).....	7
8.5 Positive displacement pipettes (in accordance with ISO 8655-2).....	7
8.6 Burettes (in accordance with ISO 8655-3).....	7
8.7 Dilutors (in accordance with ISO 8655-4).....	8
8.7.1 General.....	8
8.7.2 Test cycle.....	8
8.8 Dispensers (in accordance with ISO 8655-5).....	9
8.9 Syringes (in accordance with ISO 8655-9).....	9
8.9.1 General.....	9
8.9.2 Test cycle.....	9
9 Evaluation	10
9.1 Calculation of evaporation loss.....	10
9.2 Calculation of the corrected weighing value of each quantity delivered.....	10
9.3 Conversion of the corrected weighing values to volume.....	10
9.3.1 General.....	10
9.3.2 Calculation of volume using the general formula.....	10
9.3.3 Calculation of volume using the Z correction factor.....	12
9.3.4 Mean delivered volume.....	12
9.4 Systematic error of measurement.....	13
9.5 Random error of measurement.....	13
9.6 Uncertainty of measurement.....	13

ISO 8655-6:2022(E)

10 Reporting of results	14
Annex A (informative) Calculation of volumes from balance readings	15
Bibliography	16

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 48, *Laboratory equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 332, *Laboratory equipment*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 8655-6:2002), which has been technically revised. It also incorporates the Technical Corrigendum ISO 8655-6:2002/Cor.1:2008, which has been technically revised.

The main changes are as follows:

- expanded uncertainty of the test equipment in [Table 1](#) and [2](#) has been revised in conjunction with ISO/TR 20461;
- Annex B has been deleted;
- new [Clause 4](#) “General requirements” has been added;
- [Formula \(2\)](#) has been added based on ISO 4787^[13].

A list of all parts in the ISO 8655 series can be found on the ISO website.

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.

This corrected version of ISO 8655:6:2022 incorporates the following corrections:

- Values in the key to [Formula \(4\)](#) are updated to include commas,
- Values in Table A.1 are updated to include commas.

ISO 8655-6:2022(E)

Introduction

The ISO 8655 series addresses the needs of:

- manufacturers, as a basis for quality control including, where appropriate, the issuance of manufacturer's declarations;
- calibration laboratories, test houses, users of the equipment and other bodies as a basis for independent calibration, testing, verification and routine tests.

The tests specified in the ISO 8655 series are intended to be carried out by trained personnel.

Piston-operated volumetric apparatus —

Part 6:

Gravimetric reference measurement procedure for the determination of volume

1 Scope

This document specifies a gravimetric reference measurement procedure for the determination of volume of piston-operated volumetric apparatus (POVA). The procedure is applicable to complete systems comprising the basic apparatus and all parts selected for use with the apparatus, disposable or reusable, involved in the measurement by delivery (Ex) or contained (In).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

ISO 8655-1:2022, *Piston-operated volumetric apparatus — Part 1: Terminology, general requirements and user recommendation*

ISO 8655-2:2022, *Piston-operated volumetric apparatus — Part 2: Pipettes*

ISO 8655-3, *Piston-operated volumetric apparatus — Part 3: Burettes*

ISO 8655-4, *Piston-operated volumetric apparatus — Part 4: Dilutors*

ISO 8655-5, *Piston-operated volumetric apparatus — Part 5: Dispensers*

ISO 8655-9, *Piston-operated volumetric apparatus — Part 9: Manually operated precision laboratory syringes*

ISO/IEC Guide 2, *Standardization and related activities — General vocabulary*

ISO/IEC Guide 99, *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN