DIN EN ISO 8655-2:2022-11 (E)

Piston-operated volumetric apparatus - Part 2: Pipettes (ISO 8655-2:2022)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Principle of operation ... **7**

5 Adjustment ... **7**
5.1 Basis of adjustment ... 7
5.2 Initial adjustment ... 7
5.3 Subsequent adjustment ... 7
5.4 Adjustment for other liquid properties ... 7

6 Design ... **8**
6.1 Types of pipette ... 8
6.2 Transfer of hand warmth ... 8

7 Pipette tips ... **9**
7.1 General ... 9
7.2 Air-displacement pipette tips ... 9
7.3 Positive-displacement pipette tips ... 9

8 Type, designation ... **10**

9 Metrological performance requirements ... **10**
9.1 General ... 10
9.2 Fixed-volume pipettes of types A and D1 ... 10
9.3 Fixed-volume pipettes of type D2 ... 10
9.4 Variable-volume pipettes of types A, D1 and D2 ... 11
9.5 Multi-channel pipettes ... 11
9.6 Calculation of maximum permissible errors for volumes not listed in Tables 1, 2 and 3 ... 11
9.7 Pipette tips ... 14

10 User information ... **14**
10.1 Pipettes ... 14
10.2 Pipette tips and accessories ... 15

11 Marking ... **15**
11.1 Pipettes ... 15
11.2 Pipette tips ... 15

Annex A (informative) **Possible sources of error for air displacement pipettes** ... **16**

Annex B (informative) **Electronic motorised air displacement pipettes and method for testing in multi-dispensing mode** ... **19**

Bibliography ... **20**