

DIN ISO 16000-37:2019-05 (E)

Indoor air - Part 37: Measurement of PM<(Index)2,5> mass concentration (ISO 16000-37:2019)

Contents	Page
National foreword	3
Foreword	5
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Abbreviated terms	9
5 Measurement strategy for determining PM_{2,5} indoors	9
5.1 Location and number of sampling points	9
5.2 Measurement strategy for source attribution	10
5.3 Indoor air condition	10
6 Principle of measurement	10
6.1 General considerations	10
6.2 Description of the standard measuring principle	10
7 Equipment and facilities	11
7.1 Sampling system components	11
7.2 Weighing facilities and procedure	11
8 Supplementary high time resolution method	11
8.1 General	11
8.2 Selection of the supplementary instrument	12
8.3 Supplementary procedure	12
9 Evaluation and reporting the results	12
10 Quality assurance and uncertainty evaluation	13
10.1 Reference method	13
10.1.1 General	13
10.1.2 Flow control system	13
10.1.3 Weighing system	13
10.1.4 Checking the equipment's parameters	13
10.2 Supplementary methods	14
Annex A (informative) Examples of particle concentrations encountered during room user activities	15
Bibliography	17