

DIN EN ISO 23210:2009-12 (E)

Stationary source emissions - Determination of PM10/PM2,5 mass concentration in flue gas - Measurement at low concentrations by use of impactors (ISO 23210:2009)

Contents		Page
Foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		6
4 Symbols and abbreviated terms		7
5 Principle of the method		9
6 Specification of the two-stage impactor		12
7 Sampling train		15
8 Preparation, measurement procedure and post-treatment		17
9 Calculation of the results		21
10 Performance characteristics		21
11 Reporting		24
Annex A (normative) Calculation of the sample volumetric flow rate of the impactor		25
Annex B (informative) General equations concerning impaction theory		32
Annex C (informative) Results of method validation		34
Annex D (informative) Influence of variations in the flue gas temperature and flue gas composition on the Reynolds number		40
Annex E (informative) Entry nozzle		42
Annex F (informative) Equipment list		43
Annex G (normative) Determination of a representative sampling point		45
Bibliography		46