

AS/NZS 3580.9.11:2022



Australian/New Zealand Standard™

# Methods for sampling and analysis

of ambient air

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**Method 9.11: Determination of suspended particulate matter — PM<sub>10</sub>  
beta attenuation monitors**



AS/NZS 3580.9.11:2022

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EV-007, Methods for Examination of Air. It was approved on behalf of the Council of Standards Australia on 11 February 2022 and by the New Zealand Standards Approval Board on 02 February 2022.

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The following are represented on Committee EV-007:

ACT Health  
Australian Aluminium Council  
Australian Industry Group  
Australian Institute of Refrigeration Air Conditioning and Heating  
Clean Air Society of Australia & New Zealand  
Department of Environment and Science, Qld  
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This Standard was issued in draft form for comment as DR AS/NZS 3580.9.11:2021.

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## Method 9.11: Determination of suspended particulate matter — PM<sub>10</sub> beta attenuation monitors

Originated as AS/NZS 3580.9.11:2008.  
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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EV-007, Methods for Examination of Air, to supersede AS/NZS 3580.9.11:2016.

The objective of this document is to provide regulatory and testing bodies with a method for continuously monitoring suspended particulate matter with an equivalent aerodynamic diameter (EAD) of less than 10  $\mu\text{m}$  ( $\text{PM}_{10}$ ) in ambient air, providing near real-time measurement of mean particle concentration.

The major changes in this edition are as follows:

- (a) Alignment with current technology and to ensure consistency and uniformity across the different methods used in other continuous particulate monitoring Standards.
- (b) Provision of an essential reference to AS 3580.19.

The requirements for instruments specified in this document were derived from those given in the United States Environmental Protection Agency (US EPA) Code of Federal Regulations, Title 40 Protection of Environment Part 53 Ambient Air Monitoring Reference and Equivalent Methods (40 CFR 53) 9.17.

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The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

# Contents

Preface .....	ii
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Principle .....</b>	<b>2</b>
4.1 Principle of measurement .....	2
4.2 Limitations and interferences .....	4
<b>5 Apparatus .....</b>	<b>4</b>
5.1 General .....	4
5.2 Types of beta attenuation monitors (BAMs) .....	5
5.2.1 General .....	5
5.2.2 Step-wise .....	5
5.2.3 Continuous .....	6
5.3 PM <sub>10</sub> size selective air inlet .....	6
5.3.1 General .....	6
5.3.2 Filter system .....	6
5.3.3 Beta particle measurement system .....	6
5.3.4 Flow control system .....	7
5.3.5 Internal computer and data logger .....	7
5.6 Vacuum pump .....	7
5.7 Calibration equipment .....	7
5.7.1 Mass calibration foil kit .....	7
5.7.2 Reference flow meter .....	7
5.7.3 Reference thermometer .....	7
5.7.4 Reference barometer .....	8
5.7.5 Reference relative humidity device .....	8
5.7.6 Zero noise check particle filter .....	8
5.8 Instrument performance .....	8
<b>6 Sampling .....</b>	<b>8</b>
6.1 Location .....	8
6.2 Sampling environment .....	8
6.2.1 General .....	8
6.2.2 Heated air inlet system .....	9
<b>7 Procedure .....</b>	<b>9</b>
7.1 Instrument operation .....	9
7.2 Calibration .....	9
7.2.1 General .....	9
7.2.2 Particle mass checks and calibration .....	10
7.2.3 Leak check .....	11
7.2.4 Temperature sensor checks and calibration .....	11
7.2.5 Pressure transducer checks and calibration .....	11
7.2.6 Flow rate check and calibration .....	11
7.2.7 Relative humidity sensor checks and calibration .....	12
7.2.8 Zero noise check .....	12
7.3 Instrument maintenance .....	13
7.3.1 General .....	13
7.3.2 PM <sub>10</sub> size selective inlet .....	13
7.3.3 Heater air inlet system .....	13
7.3.4 Measurement chamber .....	13
7.3.5 Pump reconditioning .....	13

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