

**NFPA®**

**270**

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**Standard Test Method for  
Measurement of Smoke  
Obscuration Using a Conical  
Radiant Source in a  
Single Closed Chamber**

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**2018**



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**NFPA® 270**

**Standard Test Method for**

**Measurement of Smoke Obscuration Using a Conical Radiant Source in a  
Single Closed Chamber**

**2018 Edition**

This edition of NFPA 270, *Standard Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber*, was prepared by the Technical Committee on Fire Tests. It was issued by the Standards Council on November 10, 2017, with an effective date of November 30, 2017, and supersedes all previous editions.

This edition of NFPA 270 was approved as an American National Standard on November 30, 2017.

**Origin and Development of NFPA 270**

The first edition of this standard, in 1998, was based on the 1997 edition of NFPA 258, *Standard Research Test Method for Determining Smoke Generation of Solid Materials*, with minor revisions. Originally, NFPA 258 was used for research and product development. NFPA 270 was developed so that it could be used within the regulatory community for enforcement purposes. This document was developed under a different title and number designation so as not to confuse the end user, and to establish and clarify the intention and limitations that are now part of the standard.

The 2002 edition of this standard was updated to incorporate the *Manual of Style for NFPA Technical Committee Documents* requirements and editorial updates.

The 2008 edition of this standard contained mainly editorial revisions and revised definitions for consistency with other standards.

The 2013 edition of this standard reconfirmed of the previous edition with updates to referenced standards.

The 2018 edition updates the pressure sensor requirements to reflect modern technology and includes updates to referenced codes and standards.