



Evaluation of Smoke Detectors for Mining Use

By -

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 28 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The U. S. Bureau of Mines has constructed a smoke chamber and developed sensitivity tests for smoke detectors. Response of ionization- and optical-type commercially available smoke detectors have been investigated. Six smoke detectors were measured with respect to visually obscuring smoke characterized by a corresponding optical density for smoldering and flaming coal combustion in the smoke chamber. It was determined that for one type of ionization smoke detector the alarm time was nearly equivalent to that of an odor monitors alarm for smoldering coal combustion experiments and earlier for flaming coal combustion experiments. The experiments showed that an average carbon monoxide concentration of 5 ppm corresponded to an optical density of 0.022 m for smoldering and flaming coal combustion. Two of the commercially available ionization-type smoke detectors were more responsive to flaming than smoldering coal combustion at an optical density of 0.022 m, whereas the optical smoke detectors showed the opposite trend. The responsive characteristics of the detectors evaluated with respect to known smoke conditions in the smoke chamber shows their potential for use as mine fire sensors...

[DOWNLOAD](#)



[READ ONLINE](#)
[7.95 MB]

Reviews

It is great and fantastic. It can be written in easy phrases and never hard to understand. You will not really feel monotony at any time of your respective time (that's what catalogues are for concerning if you request me).

-- Michel Halvorson

Good eBook and beneficial one. It really is simplified but unexpected situations from the 50 percent from the ebook. You can expect to like the way the blogger publish this ebook.

-- Bridie Stracke DDS

You May Also Like

**My Life as an Experiment: One Man's Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests**

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts his life to the test and reports...

**Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned**

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****. Mr. George Smith, a children's book author, has been conducting writing workshops at schools since 2004....

**The Battle of Eastleigh, England U.S.N.A.F., 1918**

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. Dimensions: 9.6in. x 7.3in. x 0.2in. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos)...

**My Big Book of Bible Heroes for Kids: Stories of 50 Weird, Wild, Wonderful People from God's Word**

Shiloh Kidz. PAPERBACK. Book Condition: New. 1634093151 BRAND NEW!! MULTIPLE COPIES AVAILABLE. NEW CONDITION!! 100% MONEY BACK GUARANTEE!! BUY WITH CONFIDENCE! WE SHIP DAILY!!EXPEDITED SHIPPING AVAILABLE.

**Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.

**Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.