

Identification of asbestos-containing materials is critical during renovation and demolition projects and the recycling of construction materials. The Thermo Scientific microPHAZIR AS analyzer can be used in the field and streamlines inspection without compromising accuracy.

Thermo Scientific microPHAZIR AS

Handheld Asbestos Analyzer



Detecting asbestos-containing materials (ACMs) in homes and commercial buildings prior to demolition or renovation is critical to prevent asbestos exposure. Currently, asbestos detection is limited to accredited lab based analysis such as polarized light microscopy, transmission electron microscopy and x-ray diffraction. Lab-based tests are costly and can become even more expensive if a quick turnaround is required.

The Thermo Scientific microPHAZIR AS handheld analyzer is a powerful tool that enables in-field rapid screening and identification of all six types of regulated asbestos fibers. The 2.75 lb (1.25kg) handheld near infrared analyzer is completely self-contained and can perform accurate on-site analysis in seconds.

Key Benefits Include:

Fast, accurate identification

Point-and-shoot operation provides results in seconds and features onboard results storage.

Reduction of laboratory testing

Field-based testing can reduce the need and cost associated with outsourced laboratory testing.

Simple and easy to use

Minimal training required, fully automated operation and automatic reference and calibration.

Reduced sample preparation

Sampling preparation is reduced or eliminated compared to previous screening methods available.



The microPHAZIR™ AS analyzer provides rapid screening of Chrysotile, Crocidolite, Anthophyllite, Tremolite, Actinolite, and Amosite.

Thermo Scientific microPHAZIR AS Specifications

Measurement time	Less than 10 seconds
Sampling Mode	Non-contact diffuse reflectance
Weight	2.75 lb (1.25kg)
Enclosure	High-strength dust proof plastic housing
Source	Tungsten light bulb, safe for operators and sample integrity
Data Storage	All data is stored on internal memory and can be downloaded to PC
Computer Interface	USB cable included
Operating Temp Range	5° to 40°C (40° to 104° F) non-condensing
Power	Batteries: two quick change lithium ion batteries (4.5 hour run-time)
Optional	AC Battery charger included Holster for easy carrying and storage



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