DETECTION UNITS

odel 503 Sample Holder with Scintillation Disks

The 503 Model is used to detect the radiation on filters that have been exposed to Alpha/Beta radioactive particles. The levels are measured with Pylon's AB-5.

The 503 Model consists of a light tight container, a cradle, and a scintillation disc designed to use with Pylon AB-5 monitor enabling the AB-5 to read 25 mm filters with the aid of a scintillation disc.

Applications:

- Grab samples from chambers
- Grab samples from process lines
- AB-5

Features:

The filter is placed on the cradle with the scintillation disk. This is placed on the AB-5's PMT and covered with the light tight container. As the radon daughter particulates decay, they give off an alpha particle, which strike the scintillation disk, which in turn gives off a photon of light. The photon is detected, amplified and counted by the AB-5 monitor.



503

Specifications:

Radiation Detected: Alpha Scintillator: ZnS(Ag) 4.5 to 9 MeV Energy Ranges: Efficiency: 46 %

Accuracy 1: ±4% 4.9 (0.76) cm² (in²) Active Surface Area:

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