

Personal Sampling Equipment

SPECIFICATIONS

The sampling equipment enables the collection of the inhalable and respirable fraction of dust aerosol according to ČSNEN 481. The sampling of aerosol is performed on filter or polyurethane foam disks. The sampling equipment includes a sampling head (including filters and cassette for determination of respirable fraction), personal sampling pump, connecting tubing. Set: pump XR5000 + sampling head IOM225-70A + flowmeter Defender 510 (BIOS).

MEASURING METHODS

E.g. ČSN EN 481 (833621) Workplace atmosphere. Size fraction definition for measurement of airborne dust. ÚNMZ, 1994; Government regulation No. 361/2007 Coll., which lays down the conditions for health protection at work, as amended.



OVERVIEW OF MEASURABLE PARAMETERS / OUTPUT INFORMATION

Output of the measurement is a sample of the aerosol collected on a filter for the subsequent determination of the mass or numerical concentration or the collected sample can be sent for subsequent chemical or microscopic analysis.

TYPES OF SAMPLES SUITABLE FOR ANALYSIS / MEASUREMENT CONDITIONS

Air for determination of the mass concentration of dust in order to determine exposure and comparison with limit values.