

# Particulate Samplers



**Enviro**

Technology Services Ltd

part of  CuraTerra

**World Leading Environmental Monitoring Systems**

# Medium and Low Volume Samplers

Enviro Technology supplies the class-leading *Sven Leckel* range of medium and low volume gravimetric samplers. These German made, rugged, stainless-steel constructed samplers offer the utmost in longevity and reliability whilst meeting EU CEN standards for  $PM_{10}$ ,  $PM_{2.5}$  and PAH sampling and reporting.

A range of inlets and impactor jets are available for Leckel samplers to enable sampling of  $PM_{10}$ ,  $PM_{4.0}$ ,  $PM_{2.5}$ ,  $PM_{1.0}$  and TSP.

In addition, PU foam cartridges can be used to sample for PAHs, PCB, PCDD, PCDF and PCP.

## SEQ 47/50 Automatic Sequential Sampler (17 Filters)

- Stand-alone, stainless-steel construction, weatherproof designed for outdoor use (internal 19" rack-mount version also available for inside use).
- Automatic sequential sampling up to 17 filters
- 3 m<sup>3</sup>/h or 8 m<sup>3</sup>/h flow rate versions available.
- Sampling interval 1 hour through to 168 hours per filter.
- Cooled inlet system by sheath air and covered sampled filters.
- $PM_{10}$  and  $PM_{2.5}$  measurements according to CEN EN 12341 (2014).



SEQ 47/50

## LVS3 / MVS6 Single Filter Sampler

- Reference Method sampler for  $PM_{10}$  measurement according to CEN EN 12341.
- $PM_{2.5}$  Standard inlet according to CEN EN 14907.
- Stand-alone, stainless-steel construction, weather proof designed for outdoor use.
- 3 m<sup>3</sup>/h or 6 m<sup>3</sup>/h flow rate versions available.
- $PM_{10}$  or  $PM_{2.5}$  inlets available as well TSP inlet with PU foam cartridge for PCB, PCDD, PCDF, PCP and PAHs).
- Sampling interval 1 hour through to 999 hours.



LVS3

### DHA-80 Automatic Sequential High Volume Sampler

- Suitable for PM<sub>10</sub> measurements according to CEN EN 12341.
- Other inlets available for PM<sub>2.5</sub>, PM<sub>1.0</sub> and TSP.
- Automatic filter changing of up to 15 filters.
- Large 150 mm filter diameter.
- Constant and precise air flow, adjustable from 100-1000 l/min (6-60 m<sup>3</sup>/h).
- Options available for PAHs and other chemical analysis.
- Low-maintenance operation, mean time between failure of blower 36,000 hours.
- Stand-alone, weatherproof, air-conditioned (or non air-conditioned) enclosure.
- 19" rack-mount version also available for internal use.
- Wide range of options and configurations.



DHA-80

### DH-77 Single Filter Aerosol Sampler

- Suitable for PM<sub>10</sub> measurements according to CEN EN 12341.
- Other inlets available for PM<sub>2.5</sub>, PM<sub>1.0</sub> and TSP.
- Manual filter change, one filter holder for 150 mm diameter filter.
- Constant and precise air flow, adjustable from 400-600 l/min or 100-1000 l/min.
- Stand-alone, weatherproof enclosure.
- Low-maintenance operation, mean time between failure of blower 36,000 hours.



DH-77

# High Volume Air Samplers

*For high volume air sampling, Enviro Technology supplies instruments from the world-leading Swiss manufacturer, **Digitel AG**. Digitel samplers offer the very best in accuracy and precision and can be found on national networks and research stations the world over.*

## Portable Samplers

### Combined Laser Backscatter Particulate Monitor / Sampler

The E-SAMPLER is the most feature-packed light-scatter Aerosol Monitor available. Whatever your monitoring need the E-sampler will provide accurate, dependable and relevant data.

The E-SAMPLER is a dual technology instrument that combines the unequalled real-time measurement of light scatter with the accuracy standard of filter methods. The simple filter loading process testifies to the seamless blending of both technologies.



E-Sampler

$PM_{10}$   $PM_{2.5}$  and TSP inlets available.

### MiniVol Portable Battery Powered Air Sampler

Implementing patented lowflow technology, the MiniVol® TAS is a versatile and reliable sampling platform that is attractive to end-users worldwide. Although specifically designed for “saturation” sampling, the MiniVol® has been routinely used in a wide variety of applications such as - fugitive dust studies, remote location sampling, indoor air studies, fence line monitoring and ambient air sampling.



MiniVol

$PM_{10}$   $PM_{2.5}$  and TSP inlets available.

### ARA N-FRM Combined Monitor / Sampler

The ARA N-FRM (“Near” FRM) is a portable, rapidly deployable, battery-powered particulate sampling and monitoring device. It delivers Federal Reference Method (FRM) level of performance and integrates many additional functions for unmatched versatility.

The compact-sized sampler collects 24-hour TSP,  $PM_{10}$ , or  $PM_{2.5}$  filter samples and can simultaneously measure local meteorological parameters.



ARA N-FRM

# Precipitation Sampler

## DRA-12 Automatic Precipitation Sampler

For the automatic collection and air-conditioned storage of rain and snow samples for later analysis.



DRA-12

# Radionuclide Sampler

## Digital nucleAIR

Fully automatic system to sample dust and aerosol particles for later radionuclide analysis using gamma-spectrometry etc.

- Stand-alone, rugged, weatherproof enclosure for field use.
- Constant and precise air-flow, long sampling period, high performance side channel blower up to 500 l/min (30 m<sup>3</sup>/h) during one week sampling interval.
- Filter diameter 90 mm (80 mm sampling area).
- 2 x filter stacks for 36 x filter holders.
- Fully automatic operation and filter changing.



**NEW PRODUCT**

# Other products



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