



MiniVol LFR Sampler

The MiniVol LFR (Low Flow Research) Sampler is the newest generation of the Airmetrics MiniVol, with improved accuracy and data logging for air quality researchers. The MiniVol LFR is a portable, rapidly deployable, battery-powered particulate sampling device. It utilizes FRM-style impactors for improved accuracy at 6 LPM and requires no grease or oil for low maintenance use. The compact-sized sampler can be configured to collect 24-hour TSP, PM10, or PM2.5 filter samples and can simultaneously measure and log all real-time sampling parameters, meteorological data, and particulate counts.

The MiniVol LFR Sampler can be equipped with an optional PEET anemometer and is capable of operating in directional sampling mode. It can also be equipped with a Plantower light scattering sensor to log temporal particulate variations. All sampling parameters, meteorological data, and particulate data are logged at 5-minute intervals and can easily be accessed via USB flash drive.

105-250 PM2.5 MiniVol LFR Sampler

105-100 PM10 MiniVol LFR Sampler

105-300 TSP MiniVol LFR Sampler

Specifications

Nominal Flow: 6 LPM

Flow Range: 3-10 LPM

Flow Accuracy: +/-2% Flow

Precision: +/-2%

Li-Ion Batteries: 18V /5Ah

Recharge Time: 1-Hour

Battery Operation: 30+ hrs

Data Output: USB Flash Drive

Dimensions: 10" x 12" x 7"

Sampler Weight: 15 LBS

Shipping Weight: 25 LBS