Andersen Reference Ambient Air Sampler (RAAS™)
Close up view of the RAAS™
Schematic diagram of the RAAS™ sampling system
Schematic diagram of the IMPROVE sampler modules

Module 1
- Inlet Stack
- Size Selective Cyclone
- PTFE
- Critical Orifice
- Pump

Module 2
- Inlet Stack
- Na$_2$CO$_3$
- Size Selective Cyclone
- Nylon
- Critical Orifice
- Pump

Module 3
- Inlet Stack
- Size Selective Cyclone
- Quartz
- Critical Orifice
- Pump

Air Flow 22.7 Liters/min.

Sampler Housing

Mass, Elements
Sulfate, Nitrate, Ammonium, Sodium, Potassium
Total, Organic, Elemental, Carbonate Carbon
MET ONE Spiral Aerosol Speciation Sampler (SASS™)
Solar shield with one sampling cassetted mounted

Vacuum pump and flow control module

MET ONE SASS™
Sampler control module

Sampling cassette with sharp cut cyclone (SCC)

MET ONE SASS™
Schematic diagram of the SASS™ sampling system
URG Mass Aerosol Speciation Sampler (MASS)
MASS 400 (on right) and MASS 450 (on left)
Close up view of the MASS 450
Close up view of the MASS 4001
Schematic diagram of the MASS 400 and MASS 450 sampling system