



**MODEL 120 ADS**  
AC / DC OPERATION BUCKET STYLE COLLECTOR



**MODEL 125 GS**  
MERCURY & GENERAL PURPOSE SINGLE CHIMNEY COLLECTOR



**MODEL 127 TM**  
MERCURY & TRACE METALS DUAL CHIMNEY COLLECTOR

**Reliable Wet and/or Dry Deposition Sampling**

- ..... Infrared precipitation sensor responsive to light snow, drizzle or heavy fog .....
- ..... Heavy duty drive motor for reliable operation in all weather conditions .....
- ..... Compact design minimizes splash from exterior surfaces .....
- ..... Setup requires no special tools or calibration .....
- .....
- ..... National Atmospheric Deposition Program (NADP) approved\* .....



**INFRARED PRECIPITATION SENSOR:**

Does not “hunt” under marginal precipitation conditions  
 Opens within 5 drops of onset of precipitation  
 Closes within 25 seconds of end of precipitation  
 Heated lid prevents snow/ice build up

**DATA RECORDER OUTPUT:**

Two unpowered, normally open contacts indicate system power on and sample in progress

**MOUNTING:**

Direct mounting on 2” NPS pipe (user provided)

**HOUSING:**

Powder coated aluminum  
 Padlockable



\*ADS (Model 120) approved for all NADP NTN sites. GS/TM (Model 125 & 127) approved for NADP MDN sites.

## OVERVIEW

Collection of uncontaminated wet deposition samples is essential to precipitation chemistry validity. N-CON Systems' family of precipitation collectors offer a range of sampling solutions.

The ADS bucket-style collector comes standard with support for both AC and DC operation. DC operation allows for deployment in even the most remote locations with a user-supplied battery and solar panel array.

The GS and TM collectors provide an insulated, thermostatically controlled sample chamber. Chimney heaters and the optional snow roof ensure reliable operation in colder climates. An optional thermoelectric cooler is available when precise temperature control is required.

Our design team is available to help configure custom collectors to meet your specific needs.

## ADS BUCKET-STYLE COLLECTOR WET AND/OR DRY DEPOSITION SAMPLING



MODEL 120 ADS



### ADS Deposition Sampler Includes:

- ..... 120/240 VAC or 12 VDC operation
- ..... One 3.5 gallon polyethylene bucket with lid
- ..... Polyethylene lid seal pad
- ..... 8' AC power cable
- ..... 30' data recorder output cable
- ..... Installation and maintenance tool kit
- ..... Operation can be reversed for dry deposition collection

### Available Options Include:

- ..... Dry deposition add-on (not approved for NTN sites)
- ..... DC cable for 12 VDC operation
- ..... Teflon® lid seal pad

See current pricelist for available options and accessories.

## GS SINGLE CHIMNEY COLLECTOR MERCURY & GENERAL PURPOSE SAMPLING



MODEL 125 GS

### GS Deposition Sampler Includes:

- ..... 120/240 VAC operation
- ..... Thermostatically-controlled chimney & housing heaters
- ..... Insulated housing with thermostatically-controlled exhaust fan
- ..... 3" disk adjustable bottle support
- ..... Teflon® lid seal pad
- ..... 8' AC power cable
- ..... 30' data recorder output cable
- ..... Installation and maintenance tool kit

## TM DUAL CHIMNEY COLLECTOR MERCURY & TRACE METALS SAMPLING



MODEL 127 TM

### TM Deposition Sampler Includes all GS Features Plus:

- ..... Dual sample train paths
- ..... Two 3" disk adjustable bottle supports

### GS / TM Options Include:

- ..... Dry deposition add-on (field upgradeable)
- ..... Thermoelectric cooling
- ..... Removable snow roof
- ..... Borosilicate glass and HDPE sample trains