



AUTOMATIC DEPOSITION SAMPLERS

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*



OVERVIEW

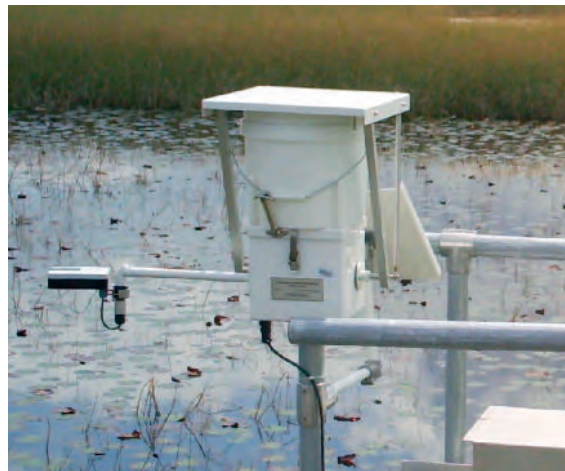
Collection of uncontaminated wet deposition samples is essential to precipitation chemistry validity. N-CON Systems' family of precipitation collectors offer a range of sampling solutions.

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 MDN 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 (field upgradeable)
- DC cable for 12 VDC operation
- Teflon® lid seal pad

See current pricelist for available options and accessories.

MDN SINGLE CHIMNEY COLLECTOR MERCURY & GENERAL PURPOSE SAMPLING



MODEL 125 MDN

MDN 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 MDN Features Plus:

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

MDN / TM Options Include:

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

FEATURES OF ALL N-CON PRECIPITATION SAMPLERS



MODEL 120 ADS

AC / DC OPERATION BUCKET
STYLE COLLECTOR



MODEL 125 MDN

MERCURY & GENERAL PURPOSE
SINGLE CHIMNEY COLLECTOR



MODEL 127 TM

MERCURY & TRACE METALS
DUAL CHIMNEY COLLECTOR

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

Custom Configurations

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

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

OVERVIEW

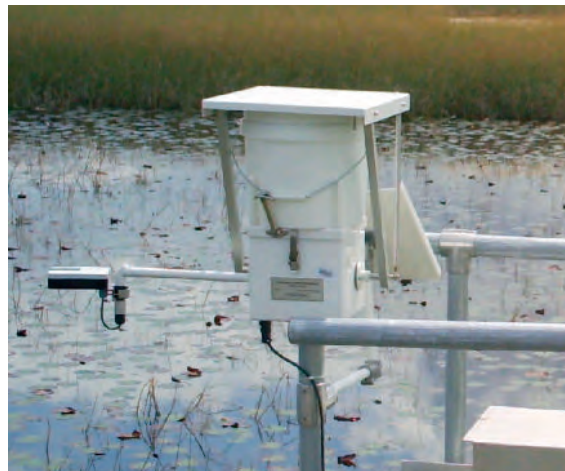
Collection of uncontaminated wet deposition samples is essential to precipitation chemistry validity. N-CON Systems' family of precipitation collectors offer a range of sampling solutions.

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 MDN 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 (field upgradeable)
- DC cable for 12 VDC operation
- Teflon® lid seal pad

See current pricelist for available options and accessories.

MDN SINGLE CHIMNEY COLLECTOR MERCURY & GENERAL PURPOSE SAMPLING



MODEL 125 MDN

MDN 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 MDN Features Plus:

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

MDN / TM Options Include:

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