



DIGITEL DRA-12

Automatic Precipitation Sampler

**For the collection and
air-conditioned storage
of rain and snow
samples for later
analyses**

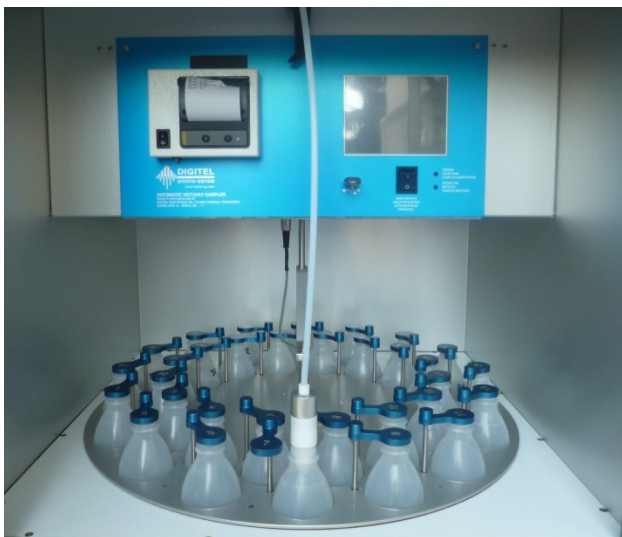
We are building high-precision samplers for dust, gas and rain since 1970.

Years of experience in development and manufacturing of air pollution and precipitation samplers and the newest technology of electronic controls guarantee a high quality product with a long lifetime and extraordinary reliability.

The DIGITEL DRA-12 precipitation sampler has the following performance features:

Sampling:

- 32x250ml polyethylene bottles
- Automatic change of bottles when bottles are full (capacitive sensor)
- Electronic protocol of bottle number
- All parts in contact with the samples are of Teflon or Teflon-coated



Programming:

- Programming using touch screen
- Manual control of single movements using touch screen
- Programmable time controlling for bottle exchange programs
- Response time of lid closing and minimal sampling time can be determined
- Recording of total sampling time per sample, lid opening times
- Customer specific programs on request

Control electronics:



- Electronic overload deactivation of the motors
- Temperature controlled heating of lid, inlet and roof
- Ambient temperature sensor with radiation shield
- Heated precipitation sensor
- Capacitive level sensor
- Printer
- RS 232C (for ext. Terminal, Modem,...)
- USB port (save data on USB stick)
- Internal memory, battery backed clock module
- Programmable climatisation (heating / cooling) of sampling chamber

Mechanical build-up:

- Motor-driven, precipitation- controlled lid
- Motor-driven pivot arm for the inner and outer bottle range
- Motor-driven bottle changer
- Automatic closing of the empty and full bottles
- Weather-proof housing made of anodized aluminum
- All mechanical parts are made of aluminum or stainless steel
- 60mm insulation of sampling chamber
- Tower and bottom easily removable for transport and cleaning
- Easy fixation to the ground
- Cooling compressor outside the sampling chamber
- Sampling chamber lockable
- Drainage for condense water
- Cooling unit outside the sampling area

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