DIGITEL DRA-12
Automatic Precipitation Sampler

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

**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

**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

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