

With NDL4 NILU introduces an all-in-one data logger with no moving parts. The data logger is fully configurable allowing the user to specify instrument commands and responses. The data logger connects to the RS232, RS485 or Ethernet port on the analyzer making it possible to collect both measurement data and status parameters. Analog sensors are logged using an external analog to digital converter.

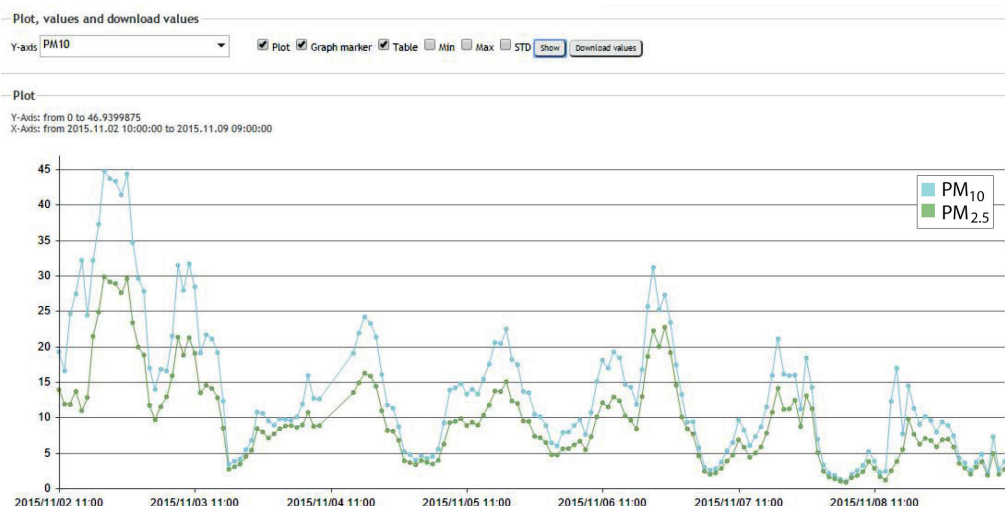
Typical data collection rate is 10 seconds and user configurable for each instrument. Data is stored as instantaneous values and as two averages, one common for all instruments, typically 1 hour, and one specific to each instrument, e.g. 1 minute. The data logger can connect to 5 instruments, which can be expanded using USB or Ethernet to RS232 expanders.



Supported sensors:

- Environnement SA NO_x, SO₂, O₃, CO, HC, BTEX, PM_{2.5}, PM₁₀ analysers
- API NO_x, SO₂, O₃, CO analysers, Gas calibrator
- Ecotech Serenius NO_x, SO₂, O₃, CO analysers
- TEI NO_x, SO₂, O₃, CO i and C series analysers
- TEI/R&P TEOM (FDMS) PM_{2.5}, PM₁₀ analyser
- Grimm PM₁, PM_{2.5}, PM₁₀ analyser
- Fidas PM_{2.5}, PM₁₀ analyser
- LSI Lastem data logger
- Advantech ADAM 8 channel analog input modul
- Syntech BTEX analyser
- Peaksimple BTEX software, read from file
- B&K noise sniffer, read from file
- Thies ultrasonic WS/WD anemometer
- Kimo flow sensor
- Papouch thermometer/hygrometer

Other sensors will be supported on request



The data logger communicates with NILU's data collection system ADACS via land-line, GSM, GPRS or 4G connections. Using a web browser and a 4G connection the operator has full access via the Internet to the data logger including data logger configuration and data display.

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