

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.

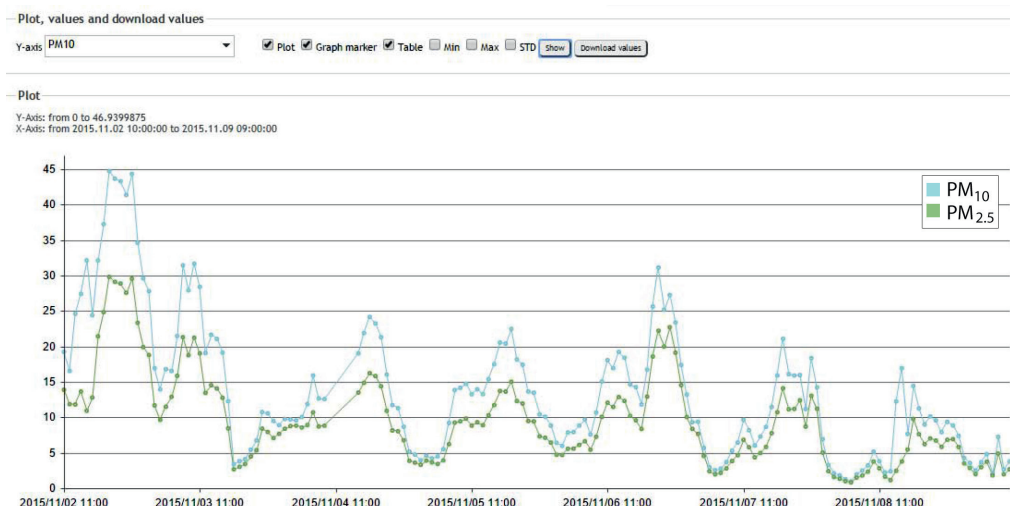
Typical data collection rate is 10 seconds and user configurable for each instrument. Data is stored as instantaneous values and as two averages, one common for all instruments, typically 1 hour, and one specific to each instrument, e.g. 1 minute. The data logger can connect to 5 instruments, which can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



### Supported sensors:

- Environnement SA NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub>, CO, HC, BTEX, PM<sub>2.5</sub>, PM<sub>10</sub> analysers
- API NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub>, CO analysers, Gas calibrator
- Ecotech Serenius NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub>, CO analysers
- TEI NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub>, CO i and C series analysers
- TEI/R&P TEOM (FDMS) PM<sub>2.5</sub>, PM<sub>10</sub> analyser
- Grimm PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub> analyser
- Fidas PM<sub>2.5</sub>, PM<sub>10</sub> 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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