• Data acquisition from any type of environmental system: analysers, sensors, meteo, samplers, ...

• Automatic data prevalidation taking into account the acquisition context (quality code)

• Automatic management of the analyser’s calibration

• More than 250 protocols of communication available as standard including MODBUS/TCP

• Remote access to the DAS via internet and a WEB based interface

• Data storage in a local database
**Technical features:**

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### Rack 19” 3U Frame
- WINDOWS or LINUX OS
- 6 serials ports
- 2 Ethernet ports
- 6 USB ports
- Option:
  - 6 or 8 analog input
  - 6 DI + 6 relay
  - 8 additional RS 232

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### Desktop computer
- WINDOWS OS
- 8 RS 232
- 1 Ethernet
- Option:
  - 3 USB
  - 6 or 8 analog input
  - 6 DI + 6 relay
  - 8 additional RS 232

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### Data Acquisition
- Acquisition of instantaneous measurements at a configurable frequency ranging from 5 seconds to 24 hours
- Management of the metrological context: analysers’ parameters and internal failures, technical measurements, external signals (door opened, flow, etc.)
- Controls of lower and higher validity limits, sensitivity threshold, immobility, slope and follow-up of peak episodes

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### Automatic prevalidation
- Automatic validation of the data with the XR software
- Association of a quality code with each value
- Evaluation of quality indicators for each data value: min, max, standard deviation, the number of over-thresholds, availability ratio
- Prevalidation of the data according to the metrological context

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### Communication
- Various communication modes: land line, GSM, IP, GPRS...
- Remote software update
- Data file exchange according to the ISO 7168 standard
- Bi directional communication
- Automatic polling at user defined intervals

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### Calibration
- Automatic management of calibration sessions: 5 span points
- Ability to adapt the linearization parameters according to calibration results
- Control of absolute, relative drifts, drifts between span points, standard deviation drifts
- Storage of all the information related to the calibration

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**Distributed by:**

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Typical specifications subject to change without prior notice.