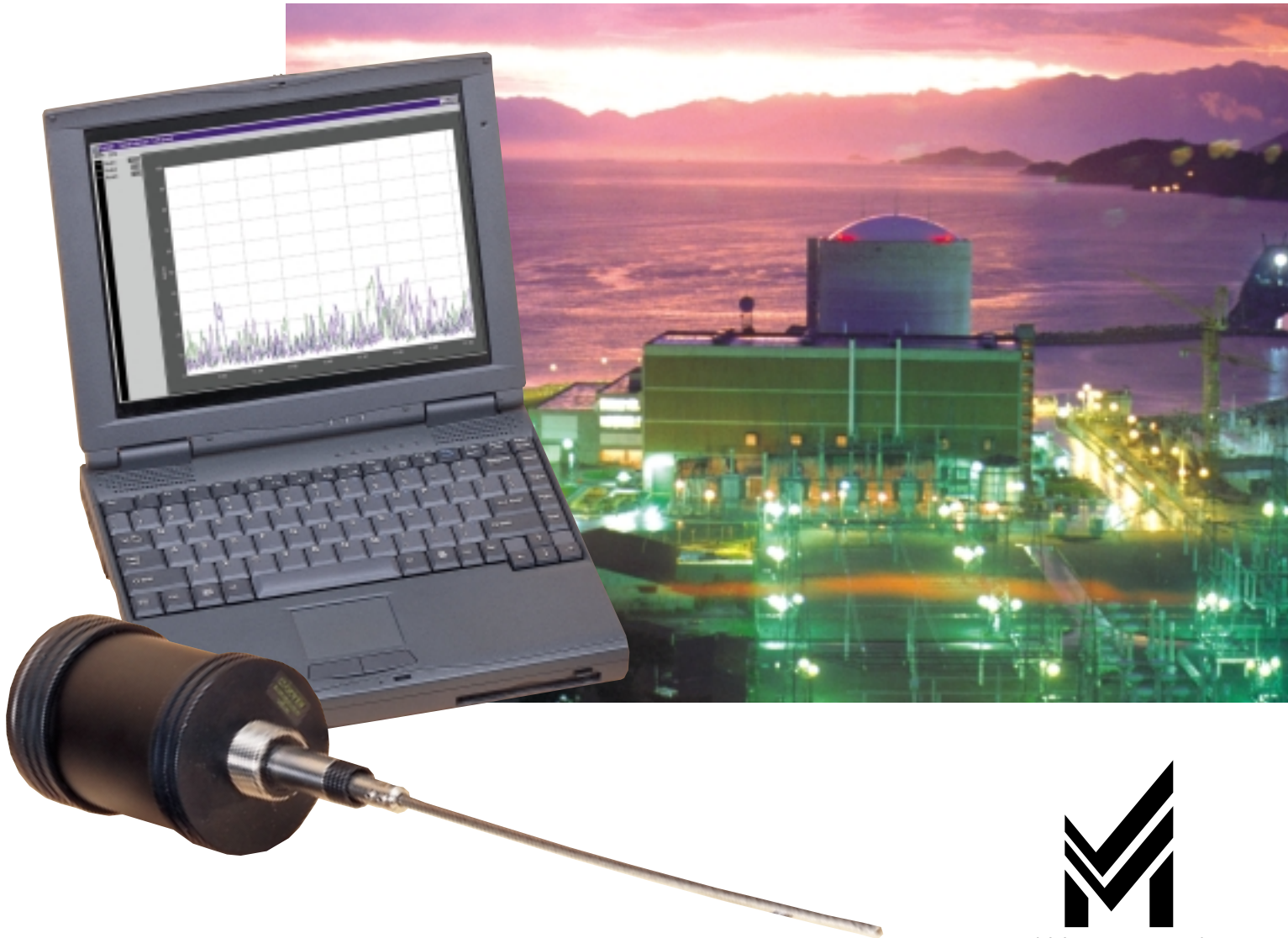




CONNECT NETWORK SYSTEM



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WHAT IT DOES

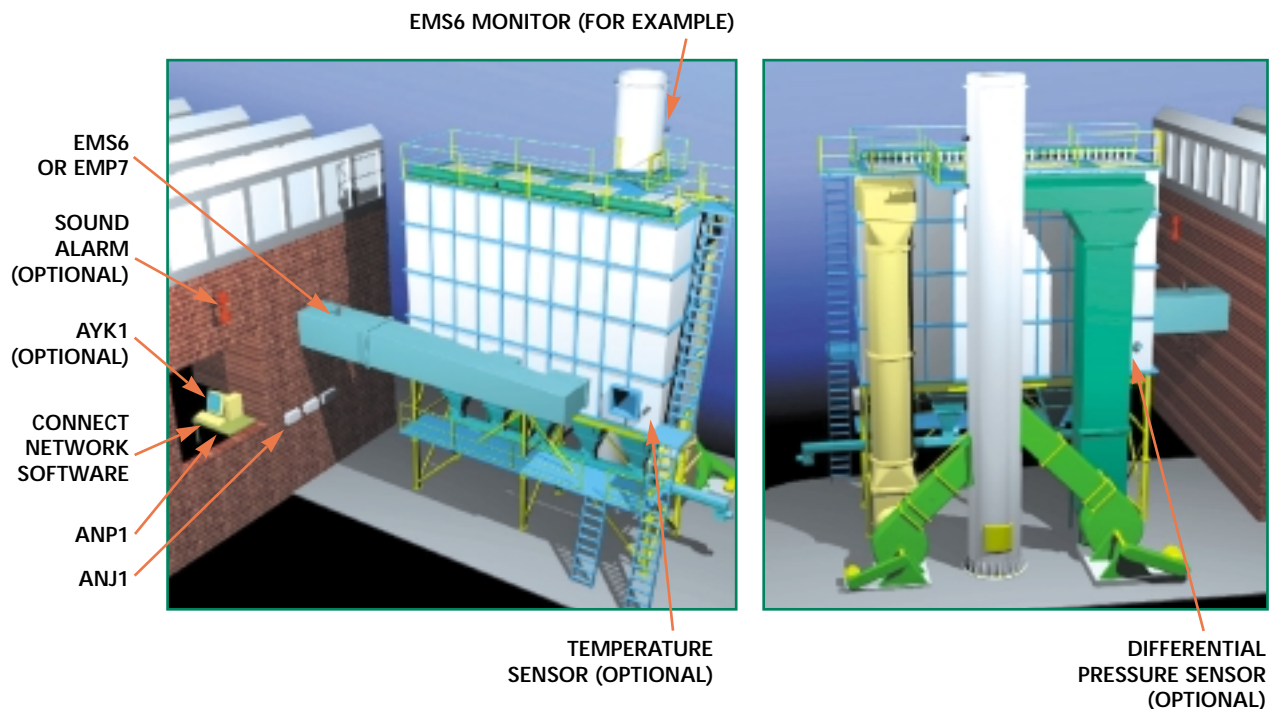
- A total process data acquisition system.
- Continuously quantitatively and instantaneously records and reports process conditions.
- Continuously monitors and records particulate as well as any analog signal such as temperature, pressure, associated with a process.
- Can have up to 8 different traces in each of 8 different trends on screen at any one time showing different parameters eg. concentration, mass flow, pressure, velocity, temperature.
- Extensive internal function library including; alarms, DDE (Dynamic Data Exchange), Historical logging, trend charting, averaging.

PRINCIPLES OF OPERATION

The Connect Network System utilises RS485, Modbus RTU for long haul data transmission.

Connect is a multi-threaded application, written under Microsoft Visual C++ Studio, following all Microsoft recommendations. Thus Connect is capable of running simultaneously with other standard Windows applications.

Signals from various nodes are sent through junction boxes where they download to the Connect Network link. Up to 29 nodes can be incorporated into one network which can then be connected through a power supply/converter (ANP1) that converts the RS485 signal to RS232 format. A designated serial port is required for the system.



OPERATIONAL RANGE

- Suitable for Windows 95, 98, 2000 or NT4.0.
- Processor requirements: Pentium 300 recommended. Free disk storage of 5MB. Plus 1MB/month per signal (typical).

BENEFITS

- Improved baghouse monitoring for lower maintenance costs.
- Can prevent environmental breaches through proactive data acquisition.
- Cost effective data acquisition system.
- Useful initial set-up tool before configuring EMS6 network system into PLC.

FEATURES

- Ability to monitor entire process conditions.
- Records EPA data for historical reference and displays real time data for process control.
- Can act either as a stand-alone data acquisition and presentation system, or as a "front end" to a third party SCADA System, providing dynamic data via a standard "DDE" Interface.
- Up to 29 nodes of various configurations (including those with analogue output) can be connected to the Connect Network eg. temperature, pressure, gas analyzer.
- Events log for alarm and system reference.
- Network search facility for easy recognition of newly added nodes.

