

Wind Energy Assessment

WIND ENERGY POTENTIAL MEASUREMENT

Viable Wind Farm deployment requires wind energy potential data logging and analysis.

Symmetron's monitoring systems are simple and affordable. Over 3000 systems, proven in the field for 15 years.

WIND MASTS

- 10 meter light duty
- 10 meter heavy duty
- 20 meter heavy duty
- 30 meter heavy duty
- 40 meter heavy duty
- 54 meter lattice

COMPATIBLE SENSORS

- 2EN
- DeltaOhm
- Gill
- LiCor
- MetOne
- NRG Systems
- Riso
- RM Young
- Rotronic
- Skye
- Thies Clima
- Vaisala
- Vector Instruments
- Other.

COMPATIBLE DATA LOGGERS

- Stylitis-41
- Stylitis-101
- Stylitis-50

COMPATIBLE SOFTWARE

- **WindRose** – Wind data analysis software with correlation.
- **Opton** – data and data logger management software.
- **Stylitis Explorer** – data and data logger management software.
- **AutoConnect** – operation automation software.
- **Diameson** – Server gateway software that allows on-line connections in GPRS networks.
- **Captum** – Real-time, data logger monitoring on the web.

FEATURES

- Designed for harsh environments.
- Manual or Automatic operation.
- On-line web presentation.
- Long-term data available for:
 - Wind speed
 - Wind direction
 - Wind speed vertical component
 - Temperature
 - Barometric pressure
 - Humidity
 - Solar radiation
 - Rain height
- Local configuration via LCD and keyboard.
- Remote configuration and data downloading via RS-232, GSM, GPRS, Satellite and Ethernet connections.
- Compatible with Windows 2000/XP/Vista/7.

SYSTEMS MAY INCLUDE

- Wind tower.
- Data logger.
- Sensors.
- Lightning protection.
- Cables.
- Software.
- Flash memory card.
- GSM modem.
- Solar panel/charger/battery.
- Top navigation light.

BASIC SYSTEM

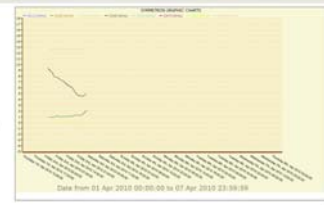
- Stylitis-41 data logger
- Up to 3 anemometers
- Up to 4 (total) analog sensors: wind vanes, temperature, barometers, hygrometers, etc.

STANDARD SYSTEM

- Stylitis-101 data logger
- Up to 6 anemometers
- Up to 18 (total) analog sensors: wind vanes, temperature, barometers, hygrometers, etc.
- Time-series capability

ADVANCED SYSTEM

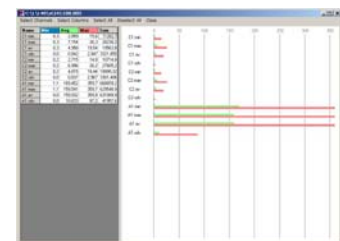
- Stylitis-50 data logger
- Up to 9 anemometers
- Up to 10 (total) analog sensors: wind vanes, temperature, barometers, hygrometers, etc.



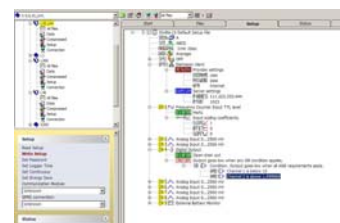
Captum real-time plot



AutoConnect



Statistics



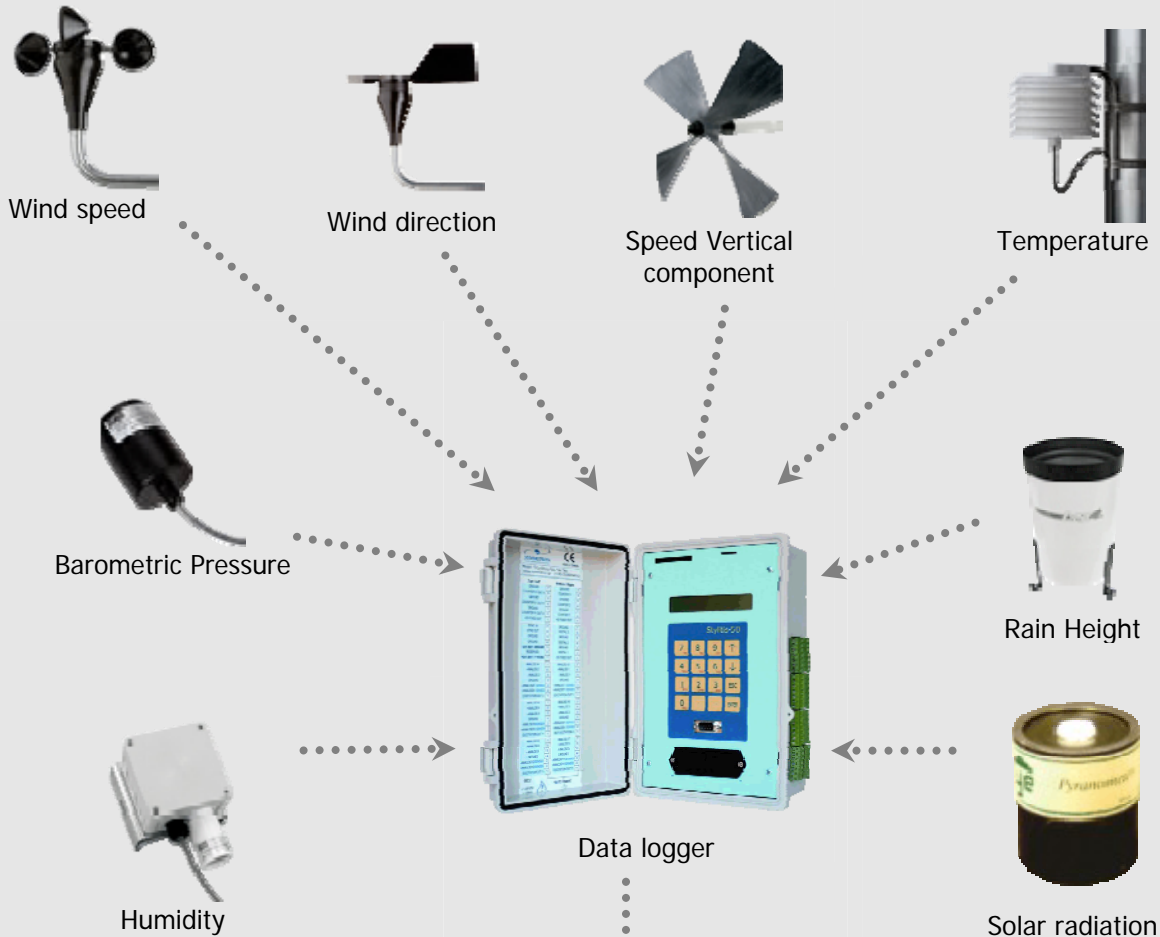
Graphical setup

For detailed specs please refer to individual product data sheets.

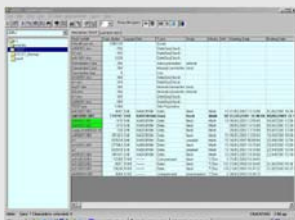
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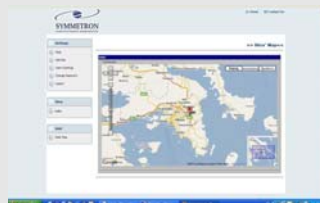
The system measures from 2 to 8 different parameters



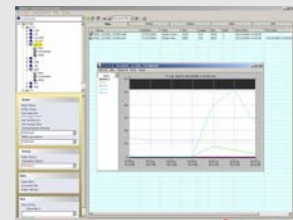
AutoConnect



Stylitis Explorer



Captum



Option