we300

2G | SMS

water   energy   gas   industrial   home automation   m2m

we300 is a lightweight, stand-alone and easy to use 2G wireless solution for remote monitoring, control and data logging. It has all the basic features such as SMS and ring, extensive storage for data logging and reporting via email and FTP, and multi-level users and groups privileges.

Remote management
WE300 remotely handles the different functions of a system: on/off switching, parameters settings and thresholds activation. WE300 supports Modbus as protocol communication to the managed systems.

Monitoring
WE300 monitors a system by continuously observing its state and signal alarms based on the value of a given parameter or on the content of an SMS. The alarms can trigger different types of actions such as sending an SMS or modifying other parameters.

Integration
WE300 is a core product inside the Nethix solutions ecosystem and therefore it is naturally integrated into other services and products offered by the company. Nethix's XP500 expansion increases significantly the amount of I/O whilst the UPS500 can provide additional power source in case of power shortages.

User-friendly
WE300 can be completely configured and monitored directly through its built-in web interface; there is no need to install additional software. A typical Modbus network configuration with ten variables at completely different addresses takes less than 5 minutes.

Data logging
WE300 stores periodically the system parameters specified by the user. All the monitored parameters are stored in the internal memory and can be sent as reports via email or to an FTP server at user-defined time periods.

we control TECHNOLOGY

NETHIX
WE CONTROL

we300

2G | SMS

water   energy   gas   industrial   home automation   m2m

APPLICATIONS

WE300 is the ideal solution for the remote monitoring, control and data logging in many fields such as:

Industrial application and M2M

Plant monitoring, control and data logging – Motors and pumps – Tanks, silos and storage facilities – Industrial cooling and refrigeration – Weather monitoring and telemetry – Physical access control – Vending machines

Water

Water leackage – Liquids level – Water treatment plants – Irrigation and greenhouse management – Hydroelectric power stations

Energy

Solar farms – Wind plants – Energy generators – Power supply control

Home and building automation

Heating and air-conditioning – Gates and windows opening systems – Lighting

Gas management

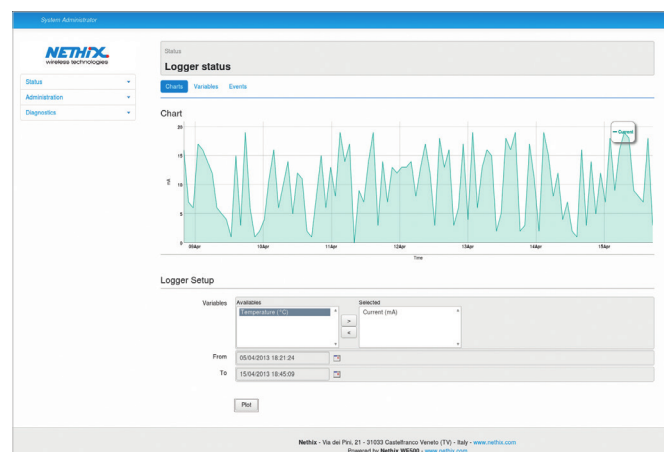Wireless meter reading – Cathodic protection

TECHNICAL FEATURES

• 1 RS232 serial port on-board
• 1 RS485 serial port on-board
• 4 digital input (expandable)
• 2 digital output (expandable)
• 2 analog input (0-5V 0-10V 0-20mA / NTC, expandable)
• Modbus support: RTU and TCP
• Advanced alarms management
• Reliable data logging
• Encrypted connectivity

NETWORKING AND STORAGE

• 2G GSM/GPRS modem
• 10/100 Mbit/s RJ45 Ethernet

OPTIONAL ACCESSORIES AVAILABLE

• PS500 switch mode power supply for WE500
• UPS500 switch mode power supply with battery pack
• XP500 modbus I/O expansions

we control TECHNOLOGY

NETHIX.
WE CONTROL

Nethix S.r.l.
Via dei Pini, 21
31033 Castelfranco V.to
(TV) - Italy
T. +39 0423 770750
F. +39 0423 770749
info@nethix.com

nethix.com