3W data.com

SWI 300 Sensor-to-Web Interface

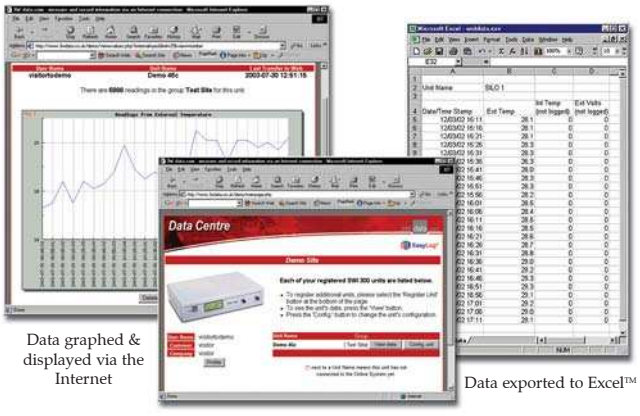
- Access remote sensors over the Internet
- Log data from thermocouple and/or voltage inputs
- Pre-settable alarms can trigger optional audible, e-mail and SMS* text alerts
- Control relay output can operate remote devices
- Simple on-line setup wizard
- Complete product - only requires a phone line
- Flash technology for lifetime upgrades
- 1 year's free hosting
- Integral status display

Internet Telemetry

The SWI 300 enables a variety of popular sensors or a simple voltage input to be connected to the Internet. Many parameters such as temperature, humidity and voltage can be measured and stored. This data is then sent periodically to the securely hosted 3W Data database. The database can be accessed anywhere in the world via the Internet.

The SWI 300 uses 32 bit processing, allowing fast and efficient handling of data. Stored data can be exported to spreadsheet and database applications for further analysis.

Our secure hosting service can display data in text or graphical format for convenient report generation. Each unit is given its own account and user space.



Data graphed & displayed via the Internet

Data exported to Excel™

In addition, the SWI 300 features an Integral Power Control (IPC) with the ability to switch fans, heaters, pumps, etc. remotely via the Internet. This feature works in conjunction with pre-settable alarm levels, allowing an external device to be activated or deactivated when an alarm level is reached. An e-mail or SMS* text message can be sent to a pre-determined recipient, informing them of the alarm status. An audible warning can also be programmed to sound during alarms.

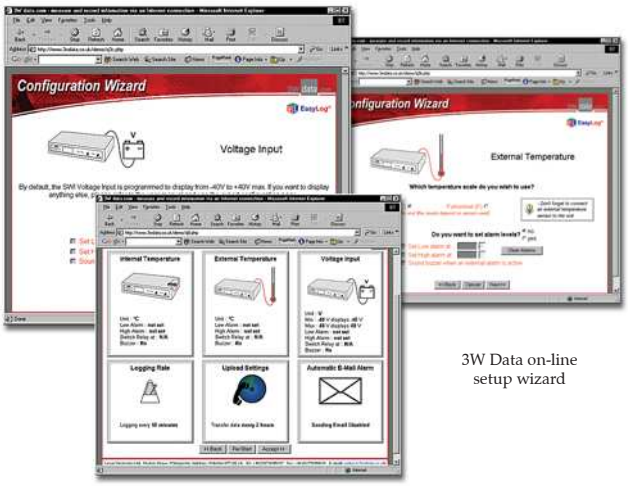
A universal power supply is included with the SWI 300, suitable for use in most countries. Alternatively, the unit can be powered using a 12V battery.

* An additional charge is levied for SMS texts - contact 3wdata sales for more information.

Setup

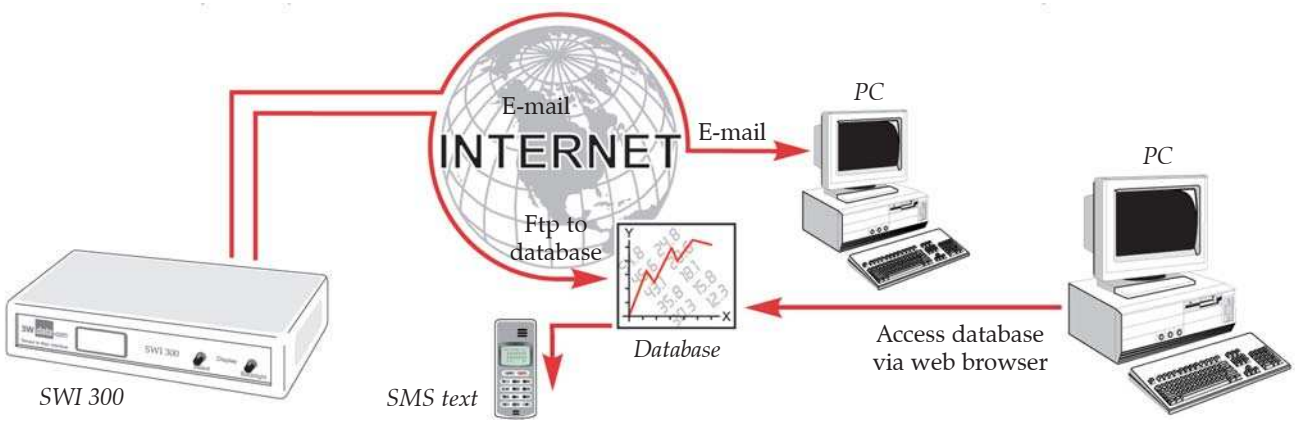
Registering the SWI 300 couldn't be easier - just connect the integral modem to a telephone socket, plug in the power supply and switch the unit on! The SWI 300 will connect to the secure 3W Data database and register itself.

To complete the setup, login to the www.3wdata.com site and follow the on-line wizard. This enables configuration of your unit and viewing of current status. Each time the unit connects to the 3W Data site, it checks for new configuration settings and updates itself accordingly.



3W Data on-line setup wizard

Data Retrieval



Specifications & System Requirements

Parameter	Min.	Typ.	Max.	Unit
Temperature sensor range *	-50		1000	°C
Temperature sensor accuracy*			±2	°C
Temperature sensor resolution			0.1	°C
Full scale reading**	±0.006		±40	V d.c.
Voltage input accuracy*		16		bit
Voltage input resolution		16		bit
Voltage input impedance		400		kΩ
Relay switching voltage a.c.			250	V a.c.
Relay switching current (resistive)			4	A a.c.
Relay switching voltage d.c.			24	V d.c.
Relay switching current (resistive)			4	A d.c.
Power supply voltage	9.0	12.0	14.0	V d.c.
Power in		1.0		W
Power in (LCD backlight on)		1.5		W
Logging capacity		250	1000	readings

* Sensor dependent

** It is possible to have a full scale reading > ±40V but the maximum voltage that can be present at the input terminals is ±40V

System requirements: PC/Mac with Java enabled Web Browser (Internet Explorer 6+ or Netscape Navigator 7+)

A telephone point
Internet access

Please note that all specifications are correct at time of print. The Company reserves the right to change any specification typographical, clerical or other error or omission without any liability on the part of the Company.

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