

Poseidon model 2251

Logs temperature, humidity, contacts, and more over a network (web, e-mail, csv)

Poseidon 2251 periodically logs the readings from connected sensors to its internal Flash memory.

Stored values can be periodically e-mailed, imported into a database, or exported as an Excel spreadsheet.

Operator is alerted to critical situations (contact opened, temperature out of range) by e-mail.

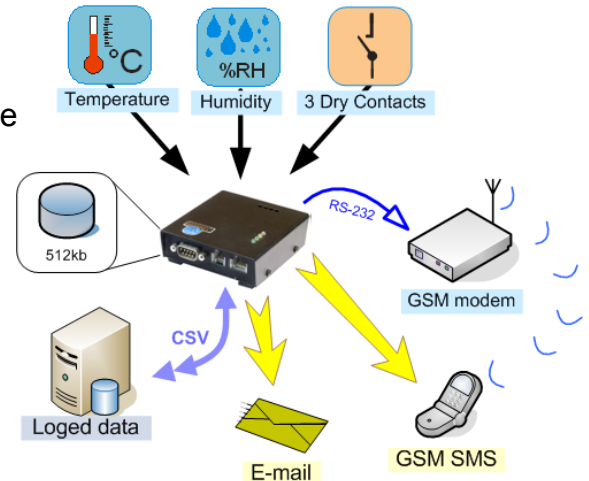
Readings are logged and SMS alerts are sent via a GSM modem even without a functioning network.



- **GSM modem** (RS-232) to send **SMS alerts**
- **3 inputs** to connect Dry Contact sensors
- **IT bus** – up to 10 low-cost sensors (temp/humidity), total cabling length up to 10m
- **Industrial bus** – up to 31 industrial sensors (temp, humidity, voltage, current), up to 1000m

Application examples

- **Pharmacies:** Storage conditions for pharmaceuticals – monitoring, logging
- **Bakeries:** Monitoring and logging of temperatures in the production process
- **Freezing plants:** Temperature monitoring & logging
- **Food processing:** Process monitoring, HACCP data
- **Large buildings:** HVAC optimization
- **SCADA systems:** Connecting inputs & external values
- **A/C monitoring:** Long-term monitoring of system parameters
- **Storages:** Monitoring of temperature, humidity, etc. in the technology



Sensors

- **Temperature** (up to 42 sensors, range from -55°C to $+640^{\circ}\text{C}$, up to 1000m away)
- **Humidity** (up to 25 sensors, maximum sensor distance 1000m)
- **Miscellaneous sensors**

| | | |
|-----------------------------------|---------------------|---------------------|
| Voltage (0..10V, 110/230V) | Air flow | Vibrations and tilt |
| Current (0..20mA, 230V pwr input) | Motion and position | Door closed/open |
| Flood (water level detector) | Smoke and gases | Any contact |

Basic features

- No special SW needed
- Built-in **graphical WWW interface** for configuring the unit and monitoring the readings
- **Log file** e-mailed as a CVS file in specified intervals (once every 4 hours by default)
- Alarm alerts: **E-mail** or **SMS**(text message)
- Wide range of **available sensors** and extensions for the Industrial Bus (RS-485)
- **Security**: Password, IP range, HW protection
- **IT industry applications**:
 - Poseidon is supported by over **60 NMS** systems (LoriotPro, Nagios, SNMPc, HP OpenView, IBM Tivoli, MRTG, and more)
 - We can help you choose appropriate SW for your application – see the Software and Third-party SW applications sections of our website
 - SDK (Software Development Kit): libraries, examples (ActiveX, VB, Delphi, C, C#, .NET)
- **Food & other industries**:
 - Works with most **SCADA systems** (OPC server and I/O server via Modbus/TCP)
 - Supported by food industry applications and pharmacy IT systems

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| | |
|----------------------------------|------------|
| • Dry Contact Inputs : | 3 |
| • Outputs (via RS-232): | 2 |
| • Sensors | |
| ▪ IT bus (local area): | 10 |
| ▪ Ind. bus (up to 1000m): | 31 |
| • SNMP : | No |
| • Alarm alerts by e-mail: | Yes |
| • Internal flash logger: | Yes |
| • GSM modem (SMS alerts): | Yes |

Control

Network communication protocols

- Web (HTML)
- XML
- Modbus/TCP
- HTTP GET (CSV / RAW data)
- NTP (time sync)
- SMTP (Email, log with data)

Configuration

- Serial RS-232 port
- WEB GUI (Flash Setup)
- TELNET (TCP Setup)
- UDP broadcast (UDP Setup)

Status indication

- LED: Alarm, Sensor, Power, Link

Alarm alerts:

- E-mail
- SMS via a GSM modem (RS-232)

Outputs

- 2 outputs to control relays (via RS-232)

