

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.

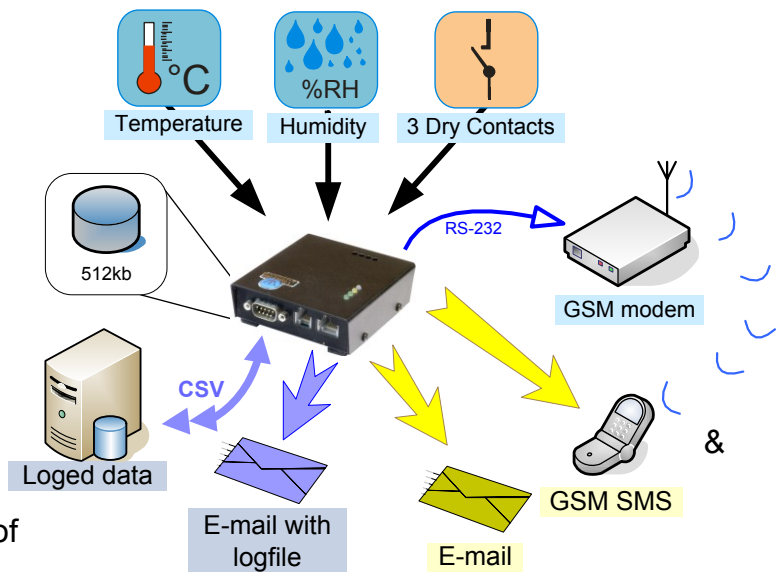
Readings are logged and SMS alerts are sent via a GSM modem even without a functioning network.



- **GSM modem** (RS-232) to send **SMS alerts**
- **2 bus systems: 1W bus** (up to 10 probes, 30 m) / **RS485 bus** (up to 31 probes, 1 000 m)
- **CVS log-file** sent periodically as email attachment in defined period

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

- Logger function, no special SW required
- 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).
- **Log file** in CVS / BIN format available over HTTP
- Alarm alerts: **E-mail** or **SMS** (text message)
- Up to 40 sensors, up to 1 000 meters
- **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

Poseidon model 2251

• Dry Contact Inputs :	3
• Outputs (via RS-232):	2
• Sensors	
▪ 1W bus (local area):	10
▪ RS485 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)

