

<?xml version="1.0" encoding="utf-8"?>

<Root>

Information Section

<Agent>	- Read only device parameters group
<Version>1.9.1</Version>	- Device firmware version (Read only)
<XmlVer>2.36</XmlVer>	- XML file version (Read only)
<DeviceName>Poseidon in kitchen</DeviceName>	- Device name . User configurable, Identical with <SysName> value, here read only (64 chars) (Here read only, change in <Network> part of XML)
<Features>	- Basic features of the device
<RS485 />	
<Wire1 />	
<BinaryIn />	
<BinaryOut />	
<SNTP />	
<SNMP />	
<SMTP />	
<Modbus />	
<GSM />	
<Telnet />	
<DataLogger />	
</Features>	
<Model>34</Model>	- Technical device type . available also over UDP Setup (5 chars)
<VendorID>10</VendorID>	- Vendor ID number . 0 .. 65565 16. bit number in ASCII
<MAC>00:0A:59:03:0C:91</MAC>	- Unique device MAC address
<Uptime>564620</Uptime>	- Total running time since last restart
<Title>Poseidon model 1250</Title>	- Customizable device title . Top of the HTML page (Read only), Marketing device name (more in customisation) (max 32 chars)
<Contact>Information: www.HW-group.com</Contact>	- User definable contact message, HTML code support (max 254 chars) (Read only here, updatable over TCP setup only, more in customisation)
</Agent>	
<CommMonitor>	- Communication Monitor
<Modbus>0</Modbus>	- Modbus monitoring (0/1)
<XML_HTTP>0</XML_HTTP>	- XML monitoring (0/1)
<SNMP>0</SNMP>	- SNMP monitoring (0/1)
<Timeout>0</Timeout>	- Period of Communication Monitor (in seconds)
</CommMonitor>	
<TemperRange>	- Visualisation value for the Flash setup temperature bargraf
<Min>19</Min>	- Min value from all displayed thermosensors
<Max>27</Max>	- Min value from all displayed thermosensors
</TemperRange>	

Input, Output and Sensor Section

<BinaryInSet>	- Binary dry contact inputs (next only %Binary input+)
<Entry>	
<ID>1</ID>	- Entry identification, ID (1..64), source for <CondInputID> for output control, ID in unique per device, 1..64 are reserved for binary inputs
<Name>Binary 1</Name>	- Defined name of the input (text string, 20 chars)
<Value>0</Value>	- Current value 0/1 (Read only)

<Alarm>0</Alarm>	- alarm settings for this Binary input . 1 byte 0 = active if on, 1 = active if off, 2 = inactive
<Delay>0</Delay>	- 0..255 Time delay in seconds to prolong Alarm state reaction. (used for Alarm Start even for Alarm End reaction) Similar to Hysteresis but in seconds.
<State>0</State>	- Current sensor state 0 = normal, 1 = Alarm activated but not send (Alarm sending Email or Trap not activated), 2 = alarm activated
<SNMPTrap>0</SNMPTrap>	- SNMP Trap alarm enable 0 = don't send, 1 = send if value out of SafeRange
<EmailSMS>0</EmailSMS>	- E-mail & SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange
</Entry>	
<Entry>	
<ID>2</ID>	- Binary input 2
<Name>Binary 2</Name>	
<Number>12</Number>	
<Value>0</Value>	
<Alarm>2</Alarm>	
<Delay>0</Delay>	
<State>0</State>	
<SNMPTrap>0</SNMPTrap>	
<EmailSMS>0</EmailSMS>	
</Entry>	
<Entry>	
<ID>3</ID>	- Binary input 3
<Name>Binary 3</Name>	
<Number>13</Number>	
<Value>0</Value>	
<Alarm>2</Alarm>	
<Delay>0</Delay>	
<State>0</State>	
<SNMPTrap>0</SNMPTrap>	
<EmailSMS>0</EmailSMS>	
</Entry>	
</BinaryInSet>	
<BinaryOutSet>	- Binary outputs settings & values
<Entry>	
<ID>151</ID>	- Entry identification, ID (151..214), source for <CondInputID>, ID in unique per device, 151..200 are reserved for outputs
<Name>RTS</Name>	- Output name (Read only)
<Type>1</Type>	- Type of the binary outputs 0: X/Y = %On+ / %Off+ (Relay output), 1: X/Y = %On (+10V)+ / %Off (-10V)+ (RTS output) 2: X/Y = %On (+10V)+ / %Off (0V)+ (DTR output)
<Mode>0</Mode>	Output control mode (Manual / Local + condition) 0 = Manual output control (value defined by Value tag) 1 = Local output control (On if any alarm) . Poseidon 3268, 1250, 2251 2 = Local output control (On if value equal to Trigger) . Poseidon 3268 future 3 = Local output control (On if value higher than Trigger) . Poseidon 3268 future 4 = Local output control (On if value lower than Trigger) . Poseidon 3268 future 5..8 reserved for Damocles G1,G2
<Value>0</Value>	- 0/1 Current output value 0 = Y (%Off+ / %Off (-10V)+ / %Off (0V)+) 1 = X (%On+ / %On (+10V)+ / %On (+10V)+) R/W for the Manual output control+ R for the Local output control+(On if any alarm)
<CondInputID>74</CondInputID>	- Condition related input ID . Poseidon 3268 future
<Trigger>-18.5</Trigger >	- Trigger value for condition . Poseidon 3268 future
</Entry>	

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<Entry>
<ID>152</ID> - Entry identification
<Name>DTR</Name>
<Type>2</Type>
<Value>0</Value>
<Mode>3</Mode>
<CondInputID>75</CondInputID>
<Trigger>22.5</Trigger >
</Entry>
</BinaryOutSet>

<SenSet> - All detected sensors
<Entry>
<ID>57856</ID> - Entry identification, ID address of the sensor (Read only), source for <CondInputID>, ID in unique per device,
48..122 and 256..65535 are reserved for sensors

<Name>Sensor 240</Name> - Defined name of the sensor (text string, 15 chars)
<Units>C</Units> - Unit of send value "C" for temperature,
"%RH" for humidity, "V" for voltage "mA" for current
"%t" for Switch (0/1) "%p" for counter pulses (1/10 digit can be used)

<Value>23.0</Value> - Current value, one defimal value, decimal separator is %t (Read only)
<Calib>-0.15</Calib> - Sensors calibration shift value (Value = Raw sensor value + Calib)
Not implemented yet - ready to use in the future

<Min>-1.5</Min> - SafeRange minimal limit
<Max>24.6</Max> - SafeRange maximal limit
<Hyst>0.0</Hyst> - Hysteresis (non sensitivity range) value

<SNMPTrap>1</SNMPTrap> - SNMP trap alarm enable 0 = don't send, 1 = send if value out of SafeRange
<EmailSMS>0</EmailSMS> - E-mail & SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange
<Delay>0</ Delay> - 0..255 Time delay in seconds to prolong Alarm state reaction. (used for Alarm Start even for Alarm End reaction)
Similar to Hysteresis but in time

<State>0</State> - Current sensor state
0 = normal, 1 = Alarm activated (value out of SafeRange) but not send (Alarm sending by Email or Trap not activated),
2 = value out of SafeRange - Alarm sent, 4 = sensor invalid (not connected)

</Entry>

<Entry>
<ID>74</ID>
<Name>Sensor 23</Name>
<Units>C</Units>
<Value>23.8</Value>
<Calib>0.19</Calib>
<Min>10.0</Min>
<Max>60.0</Max>
<Hyst>0.0</Hyst>
<SNMPTrap>0</SNMPTrap>
<EmailSMS>0</EmailSMS>
<State>0</State>
</Entry>
</SenSet>

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RS-232/GSM Settings

<SerialPort>	
<E>1</E>	- Enable Serial Port 0= Disabled, 1=GSM modem, 2=RFID reader
</SerialPort>	
<SMS>	
<Function>0</Function>	- Function 0-Local Modem, 1=Remote GSM GW
<Ring>0</Ring>	- Enable Ring alert (0/1)
<Dest>1</Dest>	- Remote SOAP GW destination number
<Module>Not enabled</Module>	- FOUND / NOT FOUND of GSM serial terminal
<CenterNmr/>	- SMS center Number
<Recp1/>	- SMS1 destination Number
<Recp2/>	- SMS2 destination Number
<State>0</State>	- Test processing report
<Message/>	- SMS Test report message from last SMS test
</SMS>	
<RFID>	
<Dest>1</Dest>	- SOAP destination for RFID
</RFID>	

Destination Section

<SnmpTraps>	- SNMP Traps settings
<Entry>	
<Idx>1</Idx>	- Entry identification
<Community>public</Community>	- SNMP Community settings (32 chars)
<IPAddr>192.168.1.39</IPAddr>	- SNMP trap destination IP address
<Port>162</Port>	- SNMP trap destination port
<E>1</E>	- Enable / Disable destination (0/1)
</Entry>	
<Entry>	
<Idx>2</Idx>	
<Community></Community>	
<IPAddr></IPAddr>	
<Port></Port>	
<E>0</E>	
</Entry>	
<Entry>	
<Idx>3</Idx>	
<Community></Community>	
<IPAddr></IPAddr>	
<Port></Port>	
<E>0</E>	
</Entry>	
<Entry>	
<Idx>4</Idx>	
<Community></Community>	
<IPAddr></IPAddr>	
<Port></Port>	
<E>0</E>	
</Entry>	

</SnmpTraps>

Configuration and Services Section

<Global> - Global settings
<Units>Celsius</Units> - Temperature units displayed in a Flash setup interface %Celsius+, %Fahrenheit+, %Kelvin+
<Logo>logo.swf</Logo> - show this file as logo (the Flash setup interface - left upper corner) swf format (*.swf) format required
<HWSec>Disabled</HWSec> - HW DIP security value - %Enabled+/ %Disabled+
</Global>

<Network> - Network settings
<Name>Poseidon in kitchen</Name> - Device name (64 chars) Identical with item <Agent><DeviceName>, here R/W
<DHCP>0</DHCP> - 0/1 - Enable DHCP, when enabled show assigned IP values.
<IPAddr>192.168.1.80</IPAddr> - IP address of the device (Read only when DHCP enabled)
<Submask>255.255.255.0</Submask> - Value of the IP subnet mask (Read only when DHCP enabled)
<Gateway>192.168.1.100</Gateway> - IP address of the Gatteway (Read only when DHCP enabled)
<DNSPrimary>147.230.16.1</DNSPrimary> - Primary DNS server (you have to set DNS server as IP address) (Read only when DHCP enabled)
<DNSSecondary>213.180.44.4</DNSSecondary> - Secondary DNS server (Read only when DHCP enabled)
<HTTPport>80</HTTPport> - Internal device WEB server port
<TelnetPort>99</TelnetPort> - Telnet setup (TCP setup) port. %0+= TCP setup disabled
<SNMPPort>161</SNMPPort> - SNMP pooling port settings
</Network>

<SOAP> - SOAP settings
<Entry>
<Idx>1</Idx> - Destination ID
<E>1</E> - Destination Enable 0/1
<Server>192.168.1.36</Server> - Destination IP
<Port>80</Port> - Destination TCP Port
<Route>service.xml</Route> - Name of XML file
</Entry>
</SOAP>

<Report> - Alarm Reminder & Periodic status
<Entry>
<Idx>1</Idx> - ID1 . Periodical Status
<E>0</E> - Enable Function 0/1
<Period>60</Period> - Period (in minutes)
</Entry>
<Entry>
<Idx>2</Idx> - ID2 Alarm Reminder
<E>0</E> - Enable Function 0/1
<Period>5</Period> - Period (in minutes)
</Entry>
</Report>

<MIBII SysGroup> - MIB II settings
<SysContact>support@HWgroup.cz</SysContact> - MIB's administrator e-mail (64 chars)

<SysName>Poseidon in kitchen </SysName>	- MIB's database name (64 chars) Identical with item <Agent><DeviceName>, here RW
<SysLocation></SysLocation>	- MIB's system database placement (64 chars)
</MIBISysGroup>	
<Email>	- E-mail settings
<Server></Server>	- DNS address or IP address of remote SMTP server (40 chars)
<Port>25</Port>	- Port for communication with remote SMTP server
<From>user@domain.com</From>	- Email address of sender (40 chars)
<Subject>Subject_0</Subject>	- Subject of Email message (50 chars)
<Auth>0</Auth>	- SMTP server Autentisation (0 = not required, 1 = required)
<Name>User login name</Name>	- SMTP autentification Login name (40 chars)
<Pswd></Pswd>	- SMTP autentification Password (20 chars)
<State>0</State>	- Email processing report from last TEST EMAIL Constant %0+to %5+. check documentation
<Message></Message>	- SMTP server report message from last TEST EMAIL (100 chars)
</Email>	
<MailDest>	- Email destination definition
<Entry>	
<Idx>1</Idx>	- Alert email
<To>recip@domain.com</To>	- Recipient of Email (40 chars)
<Cc>recip@domain.com</Cc>	- Recipient of Email (40 chars)
</Entry>	
<Entry>	
<Idx>2</Idx>	- LOG periodic report email
<To>recip@domain.com</To>	- Recipient of Email (40 chars)
</Entry>	
</MailDest>	
<Time>	- Time settings
<SNTPServer>ntp1.sth.netnod.se</SNTPServer>	- DNS adres or IP address of SNTP server (time server) (40 chars)
<TimeShift>1</TimeShift>	- time shift (in hours)
<Date>31.12.1970</Date>	- date
<Time>03:09:33</Time>	- time
</Time>	
<DataLogger>	
<StorePeriod>360</StorePeriod>	- Log period in sec. Minimal is 1 cycle through sensor and is depend on sensor count. 0 = Logger disabled, max. value is 65535
<LogCapacity>100.2.23</LogCapacity>	- estimated log capacity (How long device can storage data.) format hours.mins.secs it is only aproximate value
<Report>	- Periodic email with current value and logged data
<E>0</E>	- Enable periodic reporting
<Period>5</Period>	- Reporting period in min. Minimal is 5 minutes
<Erase>0</Erase>	- 0/1, 1=Erase reported (delivered to SMTP server) values from Logfile
<LogName>spilog</LogName>	- Name of logfile
</Report>	
<LogCapacity>0.0.0</LogCapacity>	
</DataLogger>	

Security Section

<HTTPFilter>	- HTTP access filter values
<IPAddr>0.0.0.0</IPAddr>	- IF ((IPAddr AND Mask) XOR (TestAddress AND Mask)) = 0 than access enabled
<Mask>0.0.0.0</Mask>	
</HTTPFilter>	
<SNMPFilter>	- SNMP access filter
<IPAddr>0.0.0.0</IPAddr>	- IF ((IPAddr AND Mask) XOR (TestAddress AND Mask)) = 0 than access enabled
<Mask>0.0.0.0</Mask>	
</SNMPFilter>	
<SnpAccess>	- SNMP access settings
<Entry>	
<Idx>1</Idx>	- Entry identification
<Community>public</Community>	- Community name (32 chars)
<R>1</R>	- Read access (0/1)
<W>0</W>	- Write access (0/1)
<E>1</E>	- Enable / Disable community (0/1)
</Entry>	
<Entry>	
<Idx>2</Idx>	
<Community>private</Community>	
<R>1</R>	
<W>1</W>	
<E>1</E>	
</Entry>	
</SnpAccess>	
<User>	- secure of HTTP server by password
<Entry>	- Read only access to setup.xml and Flash setup interface
<Idx>1</Idx>	
<Name></Name>	- Name (32 chars)
<Pswd></Pswd>	- Password (filled by %*)(32 chars)
</Entry>	
<Entry>	- Read & Write Outputs, Read only device configuration
<Idx>2</Idx>	
<Name></Name>	- Name
<Pswd></Pswd>	- Password (you can see current Password in Flash Setup)
</Entry>	
<Entry>	- Read & Write access to setup.xml and Flash setup interface
<Idx>3</Idx>	
<Name></Name>	- Name
<Pswd></Pswd>	- Password (you can see current Password in Flash Setup)
</Entry>	
</User>	
<Info>1</Info>	- Info tab in the Flash setup interface (0 = disabled, 1 = enabled)
</Root>	

Auxilliary Section

Note: this sets up Flash application design layout and has to be at end of XML

```
<Info>1</Info>           - Info tab in the Flash setup interface (0 = disabled, 1 = enabled)
</Root>
```

Command Format

Note: this format is valid only for POST operations

```
<?xml version="1.0" encoding="utf-8"?>
<Root>
  <Cmd>                    - only 1 command from following group of tags will be processed (last one wins)
  <SensAutodet/>          - sensor autodetect (will restart device)
  <SMTP/>                 - send test e-mail
  <Datetime/>            - currently does nothing
  <SMS/>                  - send test SMS to all destinations
  <Restart/>             - restart device (after a XML response is sent)
</Cmd>
</Root>
```