

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

<Root>

Information Section

<Agent>	- Read only device parameters group
<Version>1.1.12</Version>	- Device firmware version (Read only)
<XmlVer>2.37</XmlVer>	- XML file version (Read only)
<DeviceName>Poseidon in kitchen</DeviceName> (64 chars)	- Device name – User configurable, Identical with <SysName> value, here read only (Here read only, change in <Network> part of XML)
<Features>	- Basic features of the device
<RS485/>	
<Wire1/>	
<BinaryIn/>	
<BinaryOut/>	
<CommMonitor/>	
<DHCP/>	
<SNTP/>	
<SNMP/>	
<SMTP/>	
<Modbus/>	
<GSM/>	
<DataLogger/>	
<Report/>	
<Telnet/>	
<SOAP/>	
<WSDL/>	
<ValuesReport/>	
<AlarmReminder/>	
<Portal/>	
</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>	

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> inactive	- alarm settings for this Binary input – 1 byte 0 = active if on, 1 = active if off, 2 = inactive
<Delay>0</Delay> even for Alarm End reaction)	- 0..255 Time delay in seconds to prolong Alarm state reaction. (used for Alarm Start)
<State>0</State> Email or Trap not activated), 2 = alarm activated	Similar to Hysteresis but in seconds. - Current sensor state 0 = normal, 1 = Alarm activated but not send (Alarm sending)
<SNMPTrap>0</SNMPTrap>	- SNMP Trap alarm enable 0 = don't send, 1 = send if value out of SafeRange
<Email>0</Email>	- E-mail alarm enable 0 = don't send, 1 = send if value out of SafeRange
<SMS>0</SMS>	- SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange
<ApDelta>0</ ApDelta> increase/decrease larger than AutoPush delta parameter.	- AutoPush is a function allowing sending of measured data in case of value
</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>	
<Email>0</Email>	
<SMS>0</SMS>	
<ApDelta>0</ ApDelta>	
</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>	
<Email>0</Email>	
<SMS>0</SMS>	
<ApDelta>0</ ApDelta>	
</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) 2 = Local output control (On if value equal to Trigger) 3 = Local output control (On if value higher than Trigger) 4 = Local output control (On if value lower than Trigger) 5 = Local output control (On if Alarm To)
<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>	

<pre> <Entry> <ID>152</ID> <Name>DTR</Name> <Type>2</Type> <Value>0</Value> <Mode>3</Mode> <CondInputID>75</CondInputID> <Trigger>22.5</Trigger > </Entry> </BinaryOutSet> </pre>	<p>- Entry identification</p>
<pre> <SenSet> <Entry> <ID>57856</ID> <SensId>57856</SensId> <Name>Sensor 240</Name> <Units>C</Units> <Value>23.0</Value> <Calib>-0.15</Calib> <Min>-1.5</Min> <Max>24.6</Max> <Hyst>0.0</Hyst> <SNMPTrap>1</SNMPTrap> <Email>0</Email> <SMS>0</SMS> <Delay>0</ Delay> even for Alarm End reaction) <ApDelta>0</ ApDelta> increase/decrease larger than AutoPush delta parameter. <State>0</State> by Email or Trap not activated), </Entry> <Entry> <ID>74</ID> <Code>74</Code> <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> <ApDelta>0</ ApDelta> <State>0</State> </Entry> </SenSet> </pre>	<p>- All detected sensors</p> <p>- 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</p> <p>- Full 1-Wire ID address of the sensor (Read only), Sensor ID is unique</p> <p>- Defined name of the sensor (text string, 15 chars)</p> <p>- Unit of send value "C" for temperature, "%RH" for humidity, "V" for voltage "mA" for current "s" for Switch (0/1) "p" for counter pulses (1/10 digit can be used) atd...</p> <p>- Current value, one defimal value, decimal separator is "." (Read only)</p> <p>- Sensors calibration shift value (Value = Raw sensor value + Calib) Not implemented yet - ready to use in the future</p> <p>- SafeRange minimal limit</p> <p>- SafeRange maximal limit</p> <p>- Hysteresis (non sensitivity range) value</p> <p>- SNMP trap alarm enable 0 = don't send, 1 = send if value out of SafeRange</p> <p>- E-mail alarm enable 0 = don't send, 1 = send if value out of SafeRange</p> <p>- SMS alarm enable 0 = don't send, 1 = send if value out of SafeRange</p> <p>- 0..255 Time delay in seconds to prolong Alarm state reaction. (used for Alarm Start</p> <p>Similar to Hysteresis but in time</p> <p>- AutoPush is a function allowing sending of measured data in case of value</p> <p>- Current sensor state</p> <p>0 = normal, 1 = Alarm activated (value out of SafeRange) but not send (Alarm sending</p> <p>2 = value out of SafeRange - Alarm sent, 4 = sensor invalid (not connected)</p>

RS-232/GSM Settings

<pre> <SerialPort> <E>1</E> </SerialPort> <SMS> <Function>0</Function> <Ring>0</Ring> <Dest>1</Dest> </pre>	<p>- Enable Serial Port 0= Disabled, 1=GSM modem, 2=RFID reader</p> <p>- Function 0-Local Modem, 1=Remote GSM GW</p> <p>- Enable Ring alert (0/1)</p> <p>- Remote SOAP GW destination number</p>
---	--

<Module>Not enabled</Module>	- FOUND / NOT FOUND of GSM serial terminal
<CenterNmr/>	- SMS center Number
<Recp1/>	- SMS1 destination Number
<Recp2/>	- SMS2 destination Number
<Recp3/>	- SMS2 destination Number
<Recp4/>	- SMS2 destination Number
<Recp5/>	- SMS2 destination Number
<State>0</State>	- Test processing report
<Message/>	- SMS Test report message from last SMS test
</SMS>	

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>	
<Entry>	
<Idx>5</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"
<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>	
<Portal>	
<PushPeriod>30</PushPeriod>	- period of sending the data to a remote server. This value is being set by a portal.
<E>1</E>	- enables or disables the portal function
<Name>vitolmr</Name>	- username assigns the device to a user account. Provided by a portal administrator
<Pswd>qehgLS</Pswd>	- Provided by a portal administrator together with a username
<ServerAddress>www.sensdesk.com/portal.php</ServerAddress>	- full URL of the remote server
<PortalPort>80</PortalPort>	- Portal listening port
<PortalMessage>SensDesk.com: Check sensor online.</PortalMessage>	- Portal communication status
<Portal_PushTimer>7</Portal_PushTimer>	- Counts out the time to the next standard data sending
<Portal_LogTimer>7</Portal_LogTimer>	- Shows the time left to next data saving to a internal memory
<Portal_ApBlockTimer>0</Portal_ApBlockTimer>	- Shows the time needed before sending another AutoPush after the previous AutoPush process. This value is being set by a portal.
</Portal>	
<MIBIIISysGroup>	- 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 R/W
<SysLocation></SysLocation>	- MIB's system database placement (64 chars)
</MIBIIISysGroup>	
<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, 3= TLS)
<Secure>0</Secure>	- SMTP Secure communication (0 = not required, 1 = TLS)
<Name>User login name</Name>	- SMTP autentification Login name (40 chars)
<Pswd></Pswd>	- SMTP autentification Password (20 chars)
<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)
<Cc1>recip@domain.com</Cc1>	- Recipient of Email (40 chars)
<Cc2>recip@domain.com</Cc2>	- Recipient of Email (40 chars)
<Cc3>recip@domain.com</Cc3>	- 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 address 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=Eraser reported (delivered to SMTP server) values from Logfile
<LogName>spilog</LogName>	- Name of logfile
</Report>	
<LogCapacity>0.0.0</LogCapacity>	
</DataLogger>	

Security Section

<HTTPIPFilter>	- HTTP acces 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>	
</HTTPIPFilter>	
<SNMPIPFilter>	- SNMP acces 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>	
</SNMPIPFilter>	
<SnmAccess>	- SNMP acces settigs
<Entry>	
<Idx>1</Idx>	- Entry identification
<Community>public</Community>	- Community name (32 chars)
<R>1</R>	- Read acces (0/1)
<W>0</W>	- Write acces (0/1)
<E>1</E>	- Enable / Disable comunity (0/1)
</Entry>	
<Entry>	
<Idx>2</Idx>	
<Community>private</Community>	
<R>1</R>	
<W>1</W>	
<E>1</E>	
</Entry>	
</SnmAccess>	
<User>	- secure of HTTP server by password
<Entry>	- Read only acces 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>
</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)
  <Type>SensAutodet</Type> - sensor autodetect (will restart device)
  <Type>Sens1WAutodet</Type> - 1-Wire sensor autodetect only (will restart device)
  <Type>SMTP</Type> - send test e-mail
  <Type>TimeSync</Type> - Synchronisation Date and time from SNTP
  <Type>ManualPush</Type> - send values to Portal
  <Type>SMS</Type> - send test SMS to all destinations
  <Type>Restart</Type> - restart device (after a XML response is sent)
  <Type>SetDefault</Type> - Load to Default
</Cmd>
</Root>
```