

Values.XML address definition in SensDesk (ver.1.0):

Option A

<http://firma.sensdesk.com/values.xml> => Shows all devices and sensors registered to one company (created during the user account registration) regardless the user

Option B

<http://sensdesk.com/user/11/values.xml> => Shows all devices and sensors associated under user with ID=11

content structure

```
<Devices>
  <Device dev_id="X">
    <Agent>
      .
      .
    </Agent>
    <Time>
      .
      .
    </Time>
    <Groups> - groups of sensors = meters
      <Group sens_group_id="XXX"> - HWg-PWR meter ID. If sens_group_id=0, it is not a PWR meter,
but Poseidon, HWg-STE, HWG-Ares, Damocles, Sitemon5, Hermes
        <Sensors>
          <Sensor sens_id="XXX">
            .
            .
          </Sensor>
        </Sensors>
      </Group>
    </Groups>
  </Device>
```

Values.XML

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

<Agent>
  <Ver>1.0.0</Ver><!-- Version Sensdesk -->
  <XmlVer>1.0.0</XmlVer><!-- Version XML -->
  <DrupalVer>6.1</DrupalVer><!-- Drupal Version -->
  <DrupalUpd>7005</DrupalUpd><!-- Version updat Drupalu -->
  <Name>Sensdesk</Name><!-- Name of Sensdesk -->
```

```

<Addr>sensdesk.hwg.cz</Addr><!-- Address of Sensdesk -->
<User>vitolmr</User><!-- Username -->
<Timestamp>1371552149</Timestamp><!-- Time in UTC when the XML generated -->
</Agent>

<Devices>
<Device dev_id="9">
  <Agent>
    <Name>Poseidon 2250</Name><!-- Device name -->
    <Enable>1</Enable><!-- Device "status": 0 = disabled, 1 = enabled -->
    <MAC>AA:BB:CC:DD:EE:FF</MAC><!-- MAC address of device -->
    <IMEI></IMEI><!-- IMEI of device -->
    <Addr>poseidon.hwg.cz</Addr><!-- Address of device -->
    <LocalAddr>192.168.1.45</LocalAddr><!-- Local address of device -->
    <Port>80</Port><!-- Port of device -->
    <LocalPort>80</LocalPort><!-- Local port of device -->
    <Username></Username><!-- Username for login to device -->
    <Passwd></Passwd><!-- Password for login to device -->
    <Mask>255.255.255.0</Mask><!-- NET mask from device -->
    <GW>192.168.1.1</GW><!-- Default gateway from device -->
    <Model devtype_id="34">HWgPwr</Model><!-- Model (see table bellow) -->
    <Incon incon_id="1">HTTP-XML</Incon><!-- Input connector type (see table bellow) -->
    <LogPer>60</LogPer><!-- Logging period. Disable = 0 -->
    <DatalogPer>0</DatalogPer><!-- Datalog period. Disable = 0 -->
    <Push push_id="2">Invitation</Push><!-- PUSH Mode => 0 = Disabled, 1=Normal, 2=Invitation -->
    <Alias>Modrany</Alias><!-- Alias name - used by SensDesk only -->
    <Description>Online demo in Prague, blabla...</Description><!-- Description of device - used by
SensDesk only -->
  </Agent>

  <Time>
    <Timezone>1</Timezone><!-- Device time zone -->
    <Dst>1</Dst><!-- Enable/disable summer time -->
    <Timestamp>11565451324</Timestamp><!-- Time in UTC, when the device was last contacted -->
  </Time>

  <Groups>
    <Group sens_group_id="12"><!-- attribut = SensDesk ID -->
      <Key>03464115</Key><!-- Group key - unique for one device, im meter = Secondary adress -->
      <Name>3fazovy</Name><!-- Name -->
      <Alias></Alias><!-- Alias name - used by SensDesk only -->
      <Description></Description><!-- Description of group - used by SensDesk only -->
    </Group>

    <Sensors>
      <Sensor sens_id="123"><!-- attribut = SensDesk ID -->
        <Name>Spotreba</Name><!-- Sensor name -->
        <ID>1002</ID><!-- Sensor ID -->
        <Senstype senstype_id="2">Generic sensor</Senstype><!-- Sensor type (1=unknown,
          2=bin.input, 3=bin.outout, 4.generic sensor, 5=counter, 6= meter, 7= Uptime) -->
        <Units unit_id="5">kWh</Units><!-- Logging unit (see table bellow) -->
        <LogPer>60</LogPer><!-- Logging period -->
        <Exp>-3</Exp><!-- Exponent -->
      </Sensor>
    </Sensors>
  </Group>
</Devices>

```

```

    <Min>5000</Min><!-- Min. value in SensDesk -->
    <Max>100000000</Max><!-- Max. value in SensDesk -->
    <Shift>0</Shift><!-- Shift in SensDesk -->
    <Hyst>0</Hyst><!-- Hystetesis in SensDesk -->
    <Status>
      <State>1</State> <!-- Sensor State => 0=Value unknow, 1=Value OK, 2=Sensor invalid,
3=Device invalid, 4=Out Of Range Low, 5=Out Of Range Hi -->
      <Alarm>0</Alarm> <!-- Sensor in Alarm => 0=None, 1=Alarm -->
    </Status>
    <Alias></Alias><!-- Alias name - used by SensDesk only -->
    <Description></Description><!-- Description of sensor - used by SensDesk only -->
    <Value>1233155</Value><!-- last logged value (= the current value) -->
    <Timestamp>11565451324</Timestamp><!-- Log time - last time in UTC -->
  </Sensor>

  <Sensor sens_id="124">
    ...Other sensor -->
  </Sensor>

  <Sensor sens_id="125">
    ...Other sensor -->
  </Sensor>
</Sensors>
</Group>

<Group sens_group_id="0"><!-- attribut = SensDesk ID -->
<!-- This group "0" would be used in default for devices without the meters, as Poseidon,
    HWg-STE and HWg-Ares. And in this case it would be the only group.
    Then it would be used also for inputs on PWR. -->
  <Key>nogroup</Key>
  <Name></Name>
  <Alias></Alias>
  <Description></Description>
  <!-- Sensors-->
</Group>

<Group sens_group_id="10">
<!-- Other group -->
</Group>

<Group sens_group_id="11">
<!-- other Group -->
</Group>
</Groups>
</Device>

<Device dev_id="10">
<!-- Other Device -->
</Device>

<Device dev_id="11">
<!-- Other Device -->

```

</Device>
</Devices>

</Root>

Device type:

devtype_id	Type
2	Damocles 2404
3	Poseidon
4	Poseidon 2251
6	Poseidon reserved
10	Poseidon 1250
11	Poseidon 3262
12	Poseidon 3265
13	Poseidon 3266
14	Poseidon 3268
15	Damocles MINI
16	Damocles
17	Damocles 0816
24	Poseidon 3468
25	Poseidon 4001
26	Poseidon 4002
33	HWg-STE
34	Poseidon 2250
39	Poseidon 3469
40	Damocles 1208
43	HWg-WLD
45	HWg-PWR
52	HWg-STE Push
53	HWg-Ares 12
54	HWg-Ares 20
55	HWg-PWR 25
56	HWg-Ares 14
57	HWg-PWR 3
58	HWg-PWR 12
65	Poseidon2 3266
66	Poseidon2 3268
67	Poseidon2 3468
68	Poseidon2 4002
69	Damocles2 MINI

Inputs Connector

incon_id	type
1	HTTP XML
2	HTTP datalog
3	E-MAIL
4	SNMP polling
5	SNMP traps
6	HWg PUSH via HTML

Units

unit_id	Unit	Value
1		
2	°C	Temperature
3	°F	Temperature
4	K	Temperature
5	%RH	Humidity
6	V	Voltage
7	mV	Voltage
8	μV	Voltage
9	kV	Voltage
10	A	Current
11	mA	Current
12	μA	Current
13	Switch	Switches
14	Pulses	Pulses
15	DP C	DP C
16	Pa	Pressure
17	kPa	Pressure
18	MPa	Pressure
19	WLD	WLD
20	W	Power
21	kW	Power
22	MW	Power
23	Wh	Consumption
24	kWh	Consumption
25	MWh	Consumption
26	J	Energy
27	kJ	Energy
28	MJ	Energy
29	GJ	Energy
31	m3	Volume
32	m3/h	Flow
33	lx	Illuminance
34	%	Percent
35	s	Time

