Values.XML address definition in SensDesk (ver.1.0.1):

Option A – With HTTP authorisation

https://your_portal/values.xml => Shows all devices in your Team
https://your_portal/sensdesk/dashboard/2/values.xml - => Shows all sensors in your dashboard with this ID
https://your_portal/sensdesk/graph/1/values.xml - => Shows all sensors in your multigraph with this ID

For authorisation use yout username and password

Option B - Without HTTP authorisation

For Getting data without authorisation you can use XML key – Find bookmark „values.xml“ on your Teams page, Multigraph pages od Dashboard pages“

For example:
https://your_portal/values.xml?values_xml_key=9Ji2Aru_w_3SaGb8C9984PuvPWuOsoJTstJXhzdB1Ww

or

https://your_portal/sensdesk/graph/3/values.xml?values_xml_key=eApWzwVLAMyJIOVccEt4cubN0rTMqVdR9HeEIf59sXE

content structure

```
<Devices>
  <Device dev_id="X">
    <Agent>
    </Agent>
    <Time>
    </Time>
    <Groups> - groups of sensors = meters => Shows all devices and sensors associated
under
      <Group sens_group_id="XXX"> - HWg-PWR meter 1D. lf sens_group_id=0, it is not a
PWR meter, but Poseidon, HWg-STE, HWG-Ares, Damocles, SitemonS, 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 of Sensdesk-->
  <XmlVer>1.0.1</XmlVer><!-- Version of XML-->
  <DrupalVer>6.1</DrupalVer><!-- Version of Drupal -->
  <DrupalUpd>7005</DrupalUpd><!-- Version od Drupal Update -->
  <Name>Sensdesk</Name><!-- Name of Sensdesk-->
  <Addr>sensdesk.hwg.cz</Addr><!--Address of Sensdesk-->
  <Team>Pstremr</Team><!-- Address of Sensdesk -->
  <User>psremr</User><!-- Jmeno uzivatele -->
  <Timestamp>11565451324</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><!-- lnput 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=> O= Disabled, l=Normal, 2=1nvitation -->
      <Status>1</Status><!-- Status of device: 0 = disabled, 1 = enabled in sensdesk, 2 = NEW -->
      <Alias>Modrany</Alias><!-- Alias name - used by SensDesk only -->
      <Description>Online demo Description><!-- Description of device -->
    </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 -->

        <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 {l=unknown,
2=bin.input, 3=bin.outout, 4.generic senzor, S=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 -->
            <Min>5000</Min><!-- Min. value -->
            <Max>100000000</Max><!-- Max. value -->
            <Shift>0</Shift><!-- Shift -->
            <Hyst>0</Hyst><!-- hyst -->
              <Status>
                <State>l</State> <!-- Sensor State => O=Value unknow, l=Value OK, 2=Sensor invalid,
3=Device invalid, 4=0ut Of Range Low, S=Out Of Range Hi-->
                <Alarm>O</Alarm> <!-- Sensor in Alarm=> O=None, l=Alarm -->
```

```
            </Status>
            <Alias></Alias><!-- Alias name -->
            <Description></Description><!-- Description of sensor -->
            <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="1"><!-- 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
70	HWg-STE Plus
72	IP-Watchdog2 Lite
73	IP-Watchdog2 Industrial
75	Damocles2 1208
76	Damocles2 2404
77	Damocles2 2606
78	HWg-STE2
81	Vertiv RMS3
83	SD-1Wire
84	SD-Water
85	SD-Input
86	SD-Output
87	Hermes 20
88	NB-2x1Wire
89	WLD2
91	STE2
94	NB-WLD
95	NB-2xIn

96	NB-2xOut
97	SD-4-20mA
98	NB-HTemp
99	NB-HTVOC
100	NB-HTVOC-disp

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
7	HWg PUSH via CoAP over UDP

Units

Unit ID	Name	Base	Physical quantity
1			Unknown
2	°C	°C	Temperature
3	°F	°F	Temperature
4	K	K	Temperature
5	%RH	%RH	Humidity
6	V	V	Voltage
7	mV	V	Voltage
8	µV	V	Voltage
9	kV	V	Voltage
10	A	A	Current
11	mA	A	Current
12	µA	A	Current
13			Switches
14	Pulses	Pulses	Pulses
15	DP C	DP C	DP C
16	Pa	Pa	Pressure
17	kPa	Pa	Pressure
18	MPa	Pa	Pressure
19	WLD	WLD	WLD
20	W	W	Power
21	kW	W	Power
22	MW	W	Power
23	Wh	Wh	Consuption

24	kWh	Wh	Consuption
25	MWh	Wh	Consuption
26	J	J	Energy
27	kJ	J	Energy
28	MJ	J	Energy
29	GJ	J	Energy
31	m3	m3	Volume
32	m3/h	m3/h	Flow
33	lx	lx	Illuminance
34	%	%	Percent
35	s	s	Time
36	WDT	WDT	Watchdog state
37	ppm	ppm	Parts per million
38	ppb	ppb	Parts per billion
39	%	%	State of battery
40	m/s	m/s	Speed
41	km/h	km/h	Speed
42	l/s	l/s	Flow
43	l/min	l/min	Flow
44	l/h	l/h	Flow
45	fpm	fpm	Speed
46	mph	mph	Speed
47	knots	knots	Speed
48	dBm	dBm	Signal strength
49	NQ	NQ	Network quality
50	B	B	Amount of data
51	kB	B	Amount of data
52	MB	B	Amount of data
53	GB	B	Amount of data
54	TB	B	Amount of data
55	KiB	B	Amount of data
56	MiB	B	Amount of data
57	GiB	B	Amount of data
58	TiB	B	Amount of data
59	LOAD	LOAD	Load average
60	hPa	Pa	Pressure
61	GWh	Wh	Consuption
62	GW	W	Power
63	Kč	Kč	koruna česká
64	€	€	euro
65	$	$	US dolar

66	£	£	pound sterling
67	CHF	CHF	Schweizer Franken
68	zł	zł	złoty
69	NOK	NOK	norsk krone
70	mbar	bar	Pressure
71	bar	bar	Pressure
72	kbar	bar	Pressure
73	mg	kg	Weight
74	g	kg	Weight
75	kg	kg	Weight
76	tonne	kg	Weight
77	g/h	g/h	g/h
78	kg/h	kg/h	kg/h
79	mN	N	Force
80	N	N	Force
81	kN	N	Force
82	piece	piece	Amount of pieces