Technical Note

Configuring and starting sensor purge of Indigo-compatible probes with Insight or Indigo80

Overview

The sensor purge function in Vaisala probes heats up the sensor briefly to evaporate possible contaminants that otherwise could affect measurement accuracy.

The sensor purge settings of the following Indigo-compatible probes can be configured with the Insight PC software or the Indigo80 Handheld Indicator:

- HMP3, HMP4, HMP5, HMP7, HMP8, and HMP80 humidity and temperature probes [1)]
- DMP5, DMP6, DMP7, DMP8, and DMP80 dew point and temperature probes.

Insight PC software is available for download at www.vaisala.com/insight. For more information about Indigo80, see www.vaisala.com/indigo80.

Configuring and starting sensor purge manually with Insight PC software

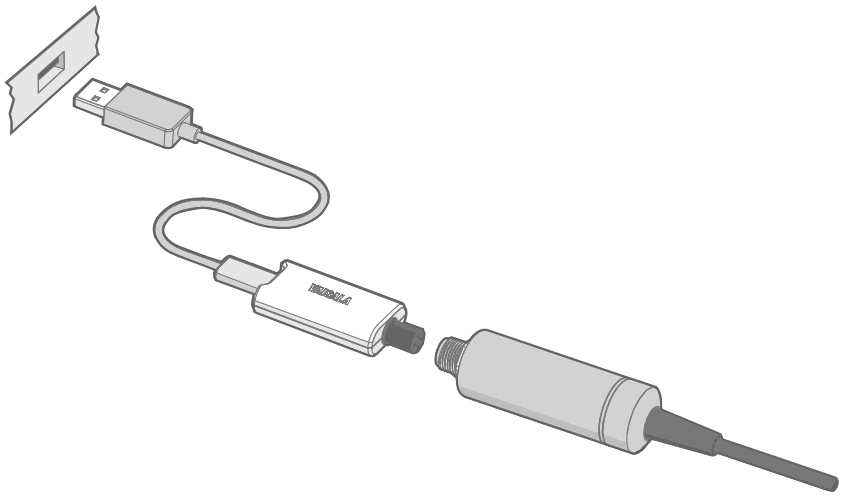

Figure 1 Connecting probe to USB port using Vaisala USB adapter USB2

1. Open the Insight software on your PC.
2. Connect the USB adapter to a free USB port on the PC or USB hub. [2)]
3. Connect the probe to the USB adapter.
4. Wait for the Insight software to detect the probe.

1) Sensor purge can be configured and started only for probes containing the HUMICAP® R2C or the HUMICAP® 180V humidity sensor.

2) Vaisala USB adapter USB2 is available to order at store.vaisala.com.

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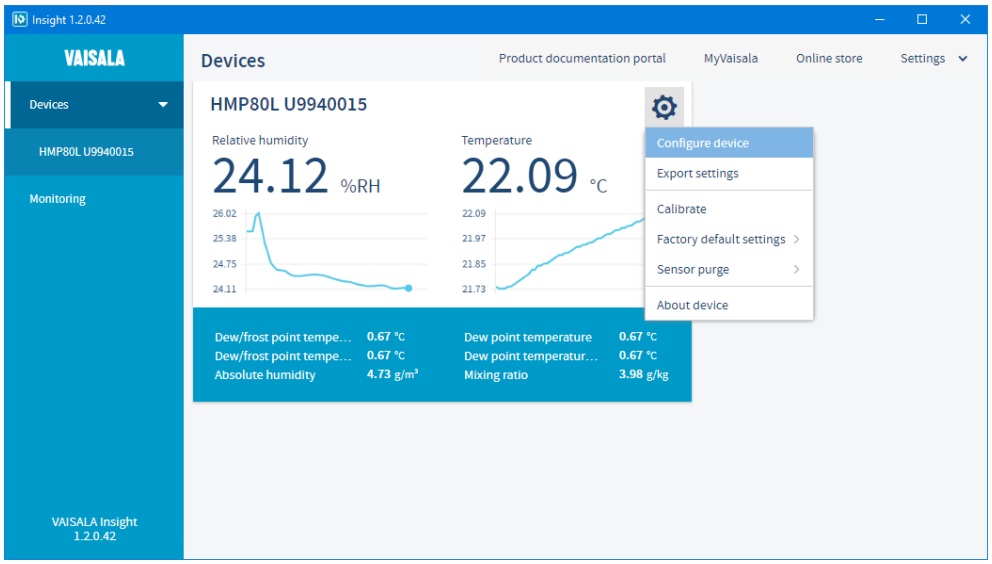
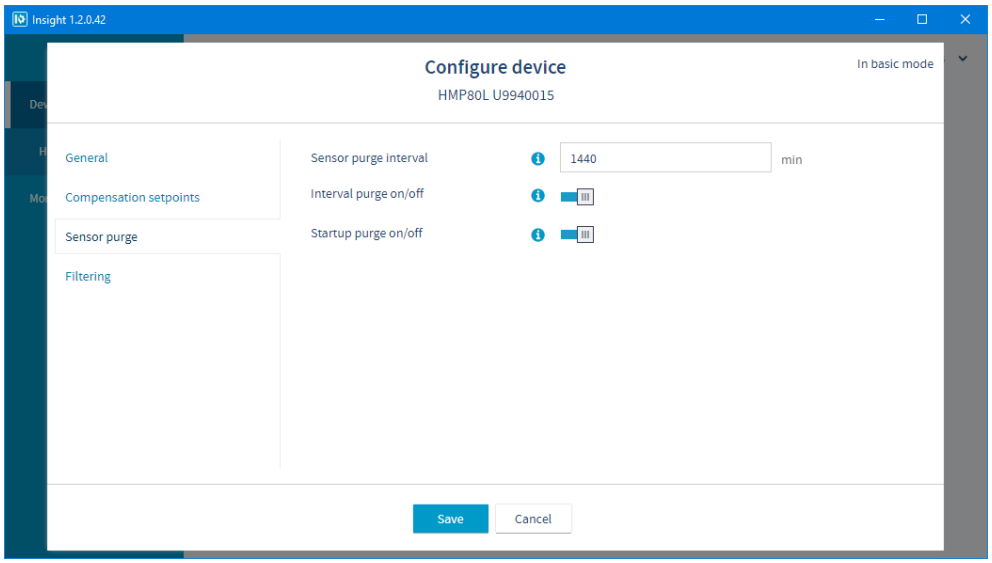
Configuring the probe in Insight

1. After connecting the probe, select ⚙ **> Configure device** to access the configuration options and for starting sensor purge.



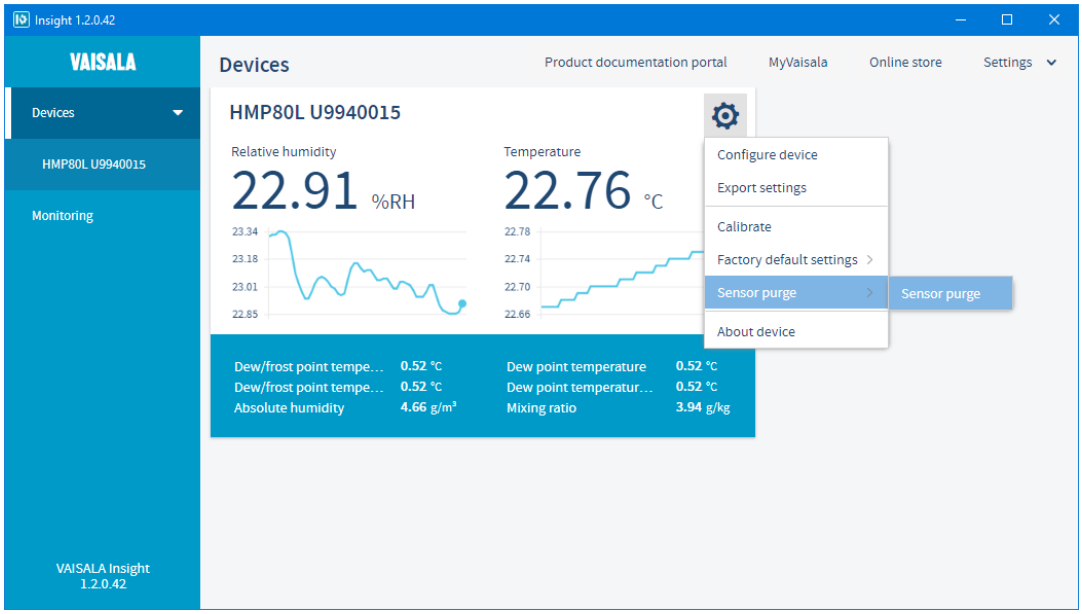
2. Select **Sensor purge** tab from the left to access the sensor purge configuration options:
   - **Sensor purge interval**: Interval for performing sensor purge automatically.
   - **Interval purge on/off**: Enable or disable automatic sensor purge. When enabled, sensor purge is repeated at fixed intervals.
   - **Startup purge on/off**: Enable or disable automatic sensor purge at device startup.



3. Select **Save** to save your changes and exit the view.

Starting sensor purge manually in Insight

1. After connecting the probe, select ⚙ **> Sensor purge** to manually start the sensor purge function for the probe.



Configuring and starting sensor purge manually with Indigo80

1. Open the Indigo80 main menu by pressing ☰.
2. Select **Devices** to open the sensor purge options for your probe.
   a. In the **Sensor purge** menu you can manually start the sensor purge function for the probe.
   b. In the **Settings** menu you can configure the sensor purge settings, same as in the Insight software. The configuration options are **Sensor purge interval**, **Interval purge on/off**, and **Startup purge on/off**.

For more information on the sensor purge function, see your probe's user guidance at docs.vaisala.com.