

1 Crossfall calibration

The purpose of this procedure is to give a simple description of how to perform the crossfall calibration for the ViaPPS.

1.1 Prerequisites

1. Ruler of default 2,4 m.
2. Top surface of the ruler shall be painted with dim gray colour (code 7500-N).
3. Digital level showing the crossfall digitally in percent.
4. Verify that the ruler is calibrated by measuring the same angle in both directions. If not, calibrate the digital level.

2 Procedure

Follow the procedure below for crossfall calibration of the ViaPPS.

1. Start ViaPPS Recorder
2. Select **Options** and the **Calculations** tab. Press button *Set parameters to calibrate crossfall*. Use the **Apply** button to store any new values.
3. Place the ruler centered behind the vehicle such that the laser beam hits the painted surface of the ruler.
4. Verify that the laser beam hits the ruler by looking at the ViaPPS recorder main application window.
5. Measure the crossfall by placing the digital level onto the ruler.
6. Write measured crossfall in the **Input the digital level value** field under the **Calibration** tab.
7. Press the **Perform Calibration** button and verify that the calibration is accepted.
8. Verify that the ViaPPS displays correct crossfall value within +- 0.1 % accuracy in the main application window.
9. Select **Options** and the **Calculations** tab. Press button *Set default* to apply default settings.

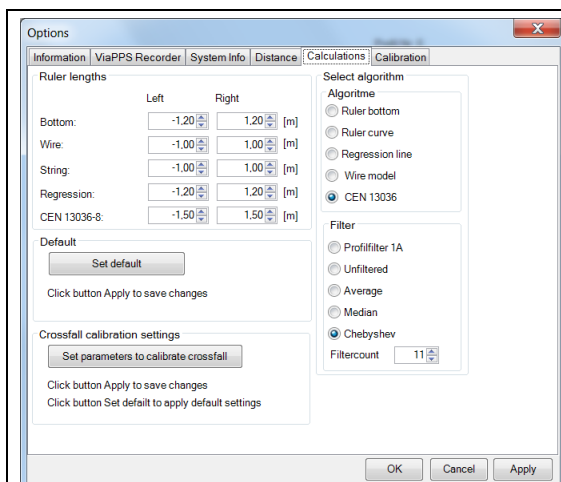


Figure 1. Calculations tab under Options

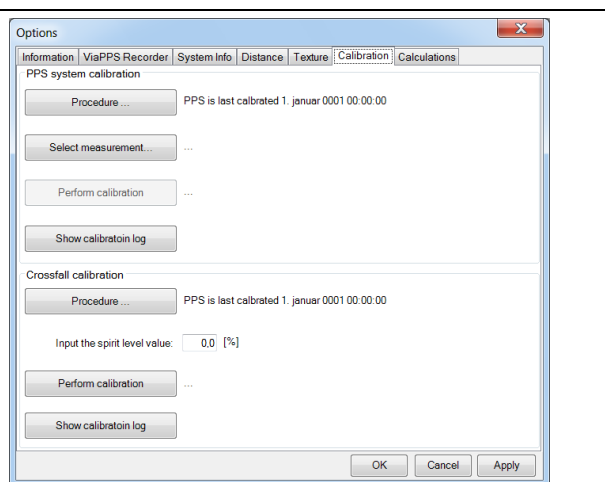


Figure 2. Calibration tab under Options