

1. **Calibration before refurbishment**

A calibration before refurbishment might be required for sensors dismantled from met masts after a measurement campaign. The calibration is to confirm that the sensors performance has stayed the same throughout the measurement period while it was installed on the met mast. This calibration has to be conducted before the sensors refurbishment/maintenance. Of course, it is up to the customer to commission this service. It is not needed if In-Situ tests during the measurement campaign are conducted.

2. **Refurbishment / Repair**

Referring to most manufacturers a refurbishment should be done after a measurement campaign to prevent a failure of sensors caused by age related wear during the next measurement campaign. Please keep also in mind that a calibration is just a snapshot. There might be damages that are not visible from the outside and are not noticeable in the calibration results. The refurbishment includes at least a detailed inspection and functional testing and the exchange of the bearings (for sensors with rotating elements).

Attention: Refurbishments of sensor conducted at WindGuard always require a calibration after the refurbishment as a part of quality control. If abnormalities or damages are detected during the inspection of a sensor, the customer will receive an inspection report and a quotation that contains the additional costs for the repair. The quoted repair needs to be approved by the customer before the repair and the maintenance will be carried out.

Due to the disassembly of the sensors during the inspection a further use is only recommended after a completed maintenance!

3. **Calibration only**

This service is to get a “fresh” calibration for sensors before the sensors will be installed on the met mast. If visible damages will be detected prior to the calibration, the service will be interrupted and the customer will be informed. The customer will also be informed if the calibration results show are non-characteristic for the calibrated sensor.