

NTO Outputs Monitor

Tools » NTO »

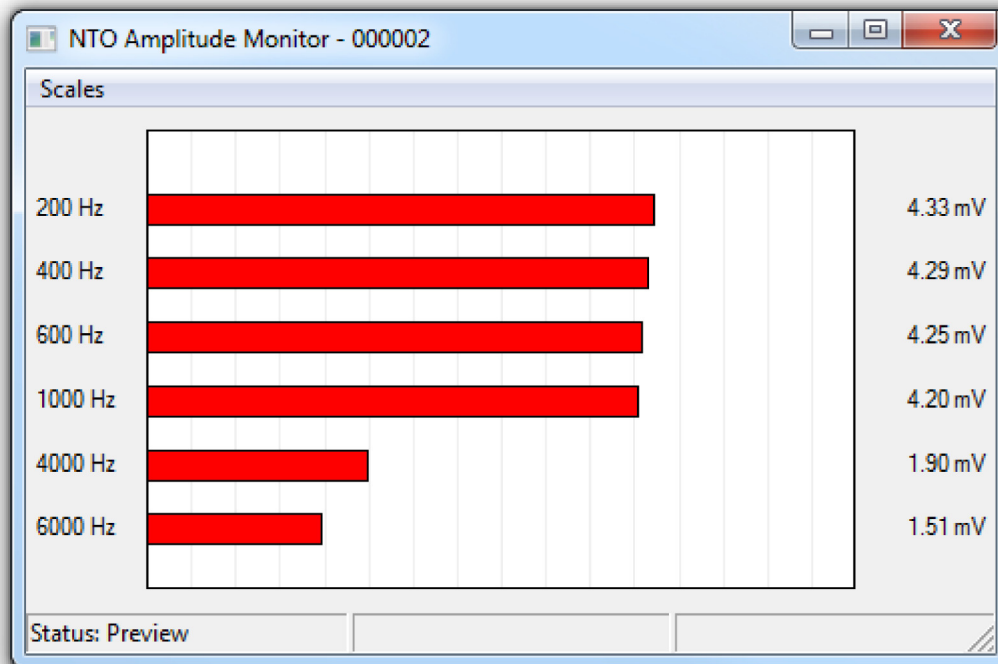


The monitor windows, accessed from **Monitor > Tools > NTO**, provide easy-to-view tool sensor data.

Note: To preview data in the monitors, open the **NTO Control** window and set **Preview On** from **Edit > Tool Configuration > NTO**.

The **Amplitude Monitor** window displays the averaged frequency cutoffs as a set of amplitude bars and noise level in mV. The horizontal scale can be toggled between linear and logarithmic from the **Scales** menu. The status is also shown in the status bar and can be set to; None, Preview, Record Station, Record Continuous.

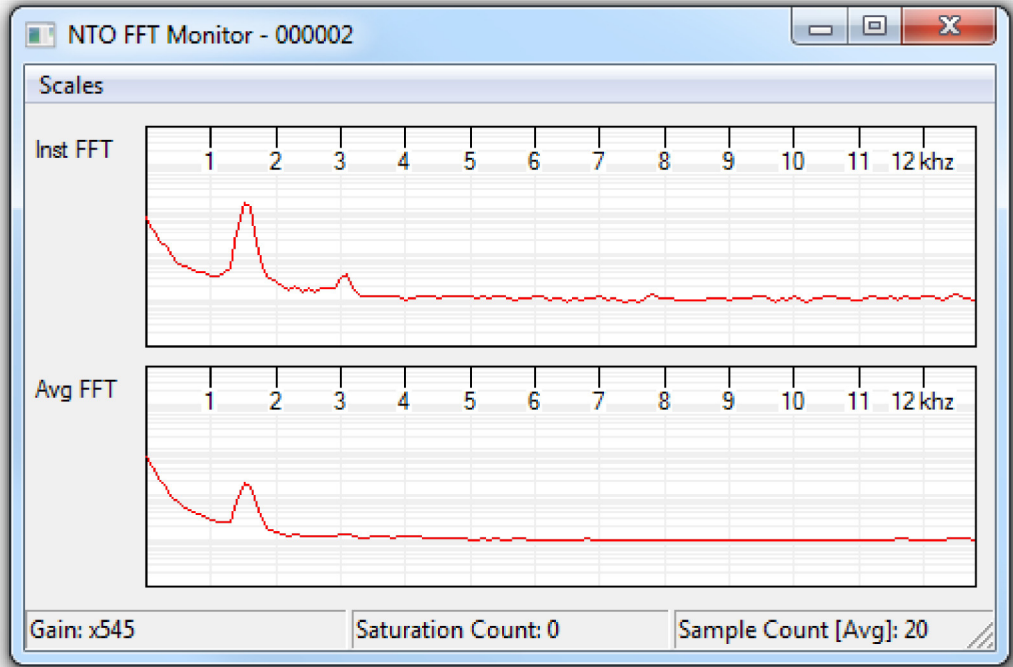
Note: For consistency, the gain multiplier is backed out from the final noise level that is recorded in mV.



The **FFT Monitor** window displays the instantaneous and averaged full frequency spectrum. The averaged frequency spectrum is averaged over the last n samples (each sample is half a second) indicated in the status bar along with sampling mode, up to the defined averaging samples (e.g. **Sample Count [Avg]: 20**). The horizontal and vertical scales can be toggled between linear and logarithmic from the **Scales** menu. The tool **Gain**, **Saturation Count (Sat Count)**, are also shown.

The saturation count indicates when the system is at saturation and is proportional to the number of clipped bins accumulated in the half second FFT sample. The gain should be reduced if the count is continually above zero.

Note: When recording a continuous log (i.e. time or depth drive), no averaging is applied and the averaged FFT spectrum is set to all zeroes.



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