



# PEAK

## Multi- Scale Level Meter

### Description

The PEAK plugin is an audio level meter designed to provide an accurate and detailed display of signal dynamics. This plugin offers several measurement scales, including Peak, RMS-Momentary, LUFS-Momentary, LUFS-Short Term, and LUFS-Integrated, allowing users to analyze different aspects of the audio signal. Its intuitive graphical interface and configurable options make it an essential tool for professional audio production.

## Parameters

1. **Peak** : Displays the peak level of the signal in real-time.
2. **RMS-Momentary** : Displays the average RMS of the signal over a short period of time.
3. **LUFS-Momentary** : Displays the loudness level in LUFS (Loudness Units Full Scale) over a short period of time.
4. **LUFS-Short Term** : Displays the loudness level in LUFS units over a longer period of time than the time frame.
5. **LUFS-Integrated** : Displays the average loudness level in LUFS units throughout playback.

## Usage Tips

1. **Using Measurement Scales** : Use the different measurement scales to get a complete view of signal dynamics. For example, the Peak is useful for detecting transient peaks, while the LUFS-Integrated is ideal for assessing overall loudness.
2. **Y Scale Adjustment** : Adjust the Y scale to suit your specific needs. A larger scale can be useful for seeing fine details, while a smaller scale may be better for an overview.
3. **Using Alerts** : Set up alerts to receive notifications when the signal exceeds certain levels. This can help you avoid distortion and maintain sound quality.
4. **Mono Analysis** : Enable mono analysis to assess the compatibility of your mix on monaural playback systems.
5. **Reset on Playback Start** : Enable this option to reset the metering values when playback begins. This will allow you to get accurate measurements from the start of each session.

## Acknowledgments

This plugin is based on the technology and libraries created by Cockos Incorporated. Special thanks to Cockos for their exceptional work in developing audio analysis plugins. On that basis, Edu Serra has added and modified features of the design of the graphic interface renewed in the visual style of ReArtist Pro.

## Summary

The PEAK Level Meter plugin is an indispensable tool for any audio producer looking for an accurate and detailed analysis of their signal dynamics. With its various measurement scales, configurable options, and an intuitive graphical interface, this plugin will allow you to make informed decisions about mixing and mastering your projects. Its ability to display peak levels, RMS values and loudness levels over different periods of time makes it an excellent choice for achieving high-quality audio production.