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## K-Meter

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Implementation of a K-System meter according to Bob Katz' specifications

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FLAC-compressed wave file (44.1 kHz, 16 bit)

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Please verify readout of overflow counter by making use of your eyes and ears.

Given values describe the left channel. The right channel is delayed by one second and contains a sine wave with a frequency of 500 Hz.

00:00.000 - 00:02.000 silence

00:02.000 - 00:05.000 sine wave (150 Hz, -5.5 dB FS peak)

[both channels: first audible click must not register]

[both channels: second audible click must register]

[left channel: a total of 16 clips must register]

[right channel: a total of 9 clips must register]

00:05.000 - 00:07.000 silence

## Validation settings

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File: overflow.flac

Host SR: 44 100 Hz

Channel: All

Display: [ ] Average meter level

[ ] Peak meter level

[ ] Maximum peak level

[ ] Stereo meter value

[ ] Phase correlation

## Samples reaching digital full scale

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both channels: 1 sample of integer level 32'764  
1 adjoining negated sample of integer level 32'764

--> these peaks MUST NOT register

both channels: 1 sample of integer level 32'765  
1 adjoining negated sample of integer level 32'765

--> these peaks MUST register

left channel: 4 continuous positive samples

left channel: 2 continuous negative samples

left channel: 1 positive sample  
1 adjoining negative sample

left channel: 2 continuous positive samples  
1 "valid" sample  
2 continuous negative samples

right channel: 1 positive sample

right channel: 1 negative sample  
1 adjoining positive sample

left channel: 1 negative sample

left channel: 1 positive sample

right channel: 2 continuous negative samples  
1 "valid" sample  
2 continuous positive samples