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

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

                       [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
===================
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
===================================
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
```