

CV Meter

Version 2019-11-09, edit 2019-12-07



Slim triple digital DC volt meter. Displays control voltage value or tone, that is represented by CV value.

Function

- volt mode

CV Meter shows actual voltage at CV IN. You can chose 2 or 4 decimals.

- tone mode

Name of tone step as well as actual octave will be displayed. Additionally LCD shows difference between actual tone and quantized tone in cents. One ct = 1/10 halftone = 1/120 volt. Quantized tone: $cv = n \times 1/12$ volt. Negative voltage or values ≥ 10 volts will result in error display.

At every cv OFF ON change (cv exceeds 2.5 v) LED gives a short flash.

Example:

volt	tone
0.0000 V	C 0 +0ct
0.0142 V	C 0 +5ct
0.0830 V	C 0 +9ct
0.0834 V	C# +0ct
:	
0.9167 V	B 0 +0ct
1.0000 V	C 1 +0ct



Any continuous voltage. (-10 v ... +10 v)
LED indicates OFF ON change.