

ACC Flicker

Flicker meter

ACC Flicker is a modern and miniature flicker meter, which is available in two different versions: one for lamp measurement and one for display measurement. It will be operated with the PC software JETI VersaFlic.

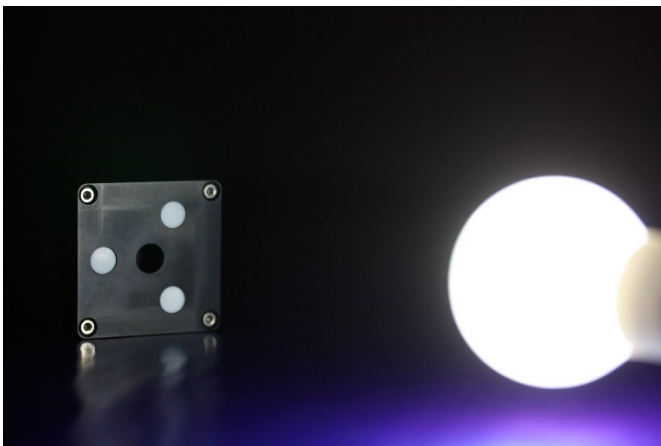
Advantages:

- Compact solution
- Applicable to lamps/ luminaires as well as displays (different versions)
- Easy to handle

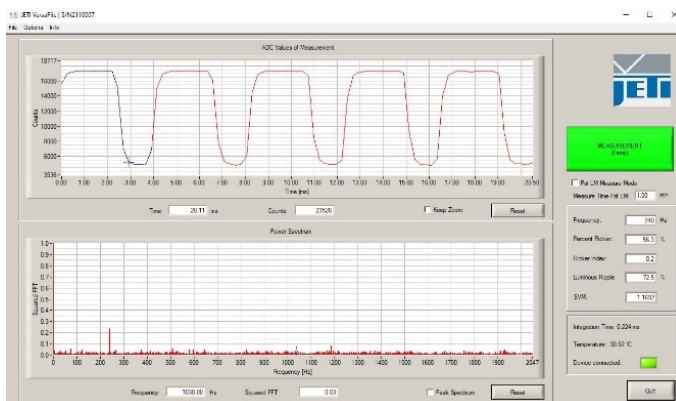
Examples for applications:

- Measurement of lamps and luminaires
- Measurement of displays and projectors
- Tests according to EC regulations

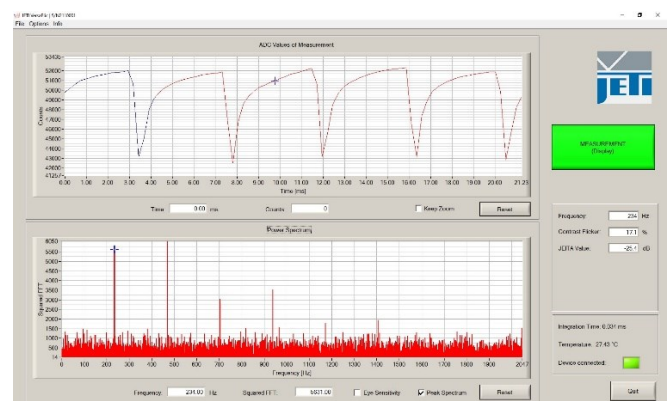
ACC Flicker Lamp



ACC Flicker Display



Screen shot of a lamp measurement



Screen shot of a display measurement



Specifications

Versions

ACC Flicker Lamp (Illuminance mode)
ACC Flicker Display (Luminance mode, with straylight protection tube)

Measuring values

ACC Flicker Lamp Frequency, % Flicker (IESNA), Flicker index, Luminous ripple, SVM,
 P_{st}^{LM} (measuring time 1 ... 10 min)

ACC Flicker Display Frequency, Contrast flicker, JEITA value

Measuring ranges

Frequency 10 ... 500 Hz
Flicker 0 ... 100 %
ACC Flicker Lamp 20 ... 20 000 lx
ACC Flicker Display 20 ... 4000 cd/m²
Internal sampling rate ~ 65 kHz
Output sample rate 8192 Hz

Measuring accuracy

1 ... 3 %, depending from source and measuring value

Sampling

Sensor analog-to-digital converter res. 16 bit
Sensor analog-to-digital sample rate 1,250,000 samples/s
Automatic pre-ADC gain levels (Ensuring maximum dynamic use of ADC) 3 levels
Bandwidth 10 Hz to 2,048 Hz

Additional information

Sensitivity According to $V(\lambda)$

Measuring spot
ACC Flicker Lamp 3 x 8 mm diameter in pitch circle of 30 mm diameter
ACC Flicker Display 10 mm diameter in 65 mm distance

Power supply USB powered

Interface USB 2.0 fullspeed

Dimensions
ACC Flicker Lamp 46 mm x 46 mm x 36 mm
ACC Flicker Display 46 mm x 46 mm x 120 mm (incl. straylight protection tube)

Weight
ACC Flicker Lamp 56 g
ACC Flicker Display 140 g

Operating conditions Temperature 10 ... 40 °C
Humidity < 85 % relative humidity at 35 °C

Accessories (included) PC software JETI VersaFlic for Windows 10/11,
operating instructions including firmware commands,
USB cable, tripod, transport box