

Flickermeter

For lamp and display measurement

JETI Flickermeter is a modern and miniature instrument, 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.

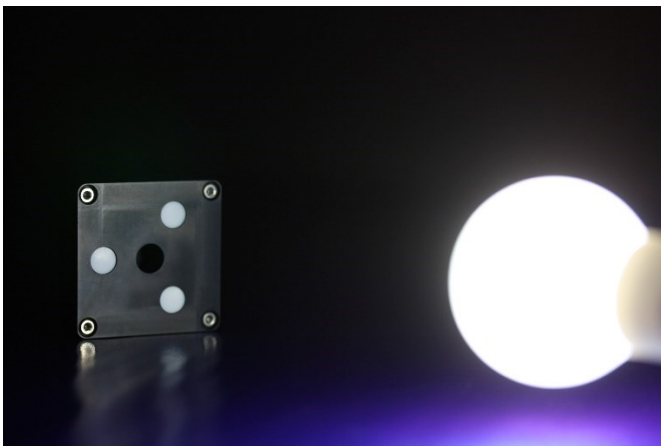
Advantages:

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

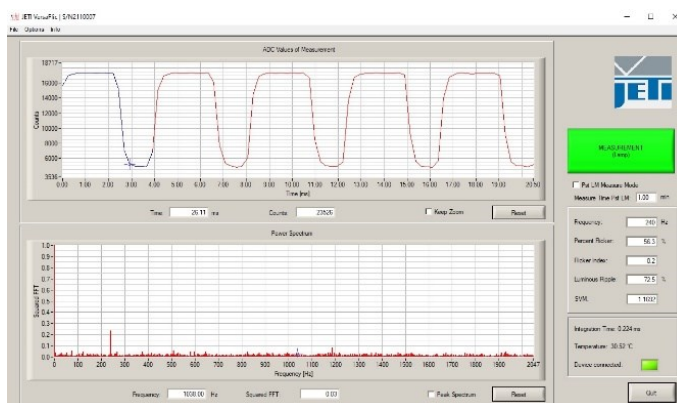
Examples for applications:

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

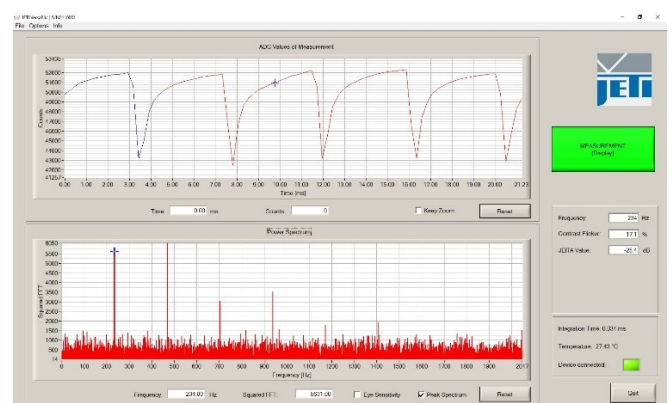
Flicker Lamp



Flicker Display



Screen shot of a lamp measurement



Screen shot of a display measurement

Specifications

Versions

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

Measuring values

Flicker Lamp

Frequency, % Flicker (IESNA), Flicker index, Luminous ripple, SVM,

P_{st}^{LM} (measuring time 1 ... 10 min)

Flicker Display

Frequency, Contrast flicker, JEITA value

Measuring ranges

Frequency

10 ... 500 Hz

Flicker

0 ... 100 %

Flicker Lamp

20 ... 20 000 lx

Flicker Display

20 ... 4000 cd/m²

Internal sampling rate

~ 65 kHz

Output sample rate

8192 Hz

Measuring accuracy

1 ... 3 %, depending on 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

Flicker Lamp

3 x 8 mm diameter in pitch circle of 30 mm diameter

Flicker Display

10 mm diameter in 65 mm distance

Power supply

USB powered

Interface

USB 2.0 fullspeed

Dimensions

Flicker Lamp

46 mm x 46 mm x 36 mm

Flicker Display

46 mm x 46 mm x 120 mm (incl. straylight protection tube)

Weight

Flicker Lamp

56 g

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