IEC Harmonic and Flicker Standards Test

High-accuracy measurement from low to up to 30A using a single instrument

The WT3000E Precision Power Analyzer and harmonic/flicker measurement software 761922 can be used to perform IEC standards testing for the IEC/EN61000-3-2 harmonic current emissions test and IEC/EN61000-3-3 voltage fluctuation/flicker test. This system enables high-accuracy measurement of current and power with the world's highest level of ±0.04% for providing superior performance when the highest accuracy calculations are required, such as for calculating the limit values of standards (25W or higher) in harmonic current emissions testing (Class C).

- **WT3000E** Example of models used when measuring from microcurrent to large current:
    - */G6 option (Harmonic measurement), /FL option (Flicker measurement)
    - *One 2A input element and one 30A input element can be installed together.

- **Harmonic/flicker measurement software:**
  - The software for harmonic current and flicker measurement is available as one set.
  - Harmonics/flicker measurement software (761922)

- **List of Supported Standards**
  - **Harmonic Standards Testing**
    - IEC61000-3-2 Ed3.0, Ed3.0-am2 (up to 16 A)
    - IEC61000-3-12 Ed1.0, Ed2.0 (above 16A and up to 75A)
    - JISC61000-3-2 2011 (up to 20 A)
    - Analyzer: IEC61000-4-7 Ed 1.0, Ed 2.0, Ed 2.0am1, JISC61000-4-7 2007
  - **Voltage Fluctuation/Flicker Standards Testing**
    - IEC61000-3-3 Ed 2.0, Ed 3.0 (up to 16A)
    - IEC61000-3-11 Ed 1.0 (above 16A and up to 75A)
    - Analyzer: IEC61000-4-15 Ed 2.0

Test reports can be output from the standards compliance determination by following the procedure without requiring any specialized knowledge.