THD total harmonic distortion easYgen-3000XT controls

Justin Schneider - 2026-07-27 - measurement

We did accuracy measurements for the easYgen3000 XT controls for Voltage, Current , P, Q, S and Power Factor for V- and I-THD levels up to 30% and up to the 12th harmonics.

The measured values were all inside of our specified accuracies. We can provide the reports, upon request.

The easYgen3000-XT measures most values using true RMS algorithms, which are relatively resilient against harmonics (not very vulnerable).

The easYgen3000-XT anti aliasing filters will cut off frequencies higher than the 40th harmonics, this is about 2-3 kHz. Thus signals with higher frequencies will not be recognized.