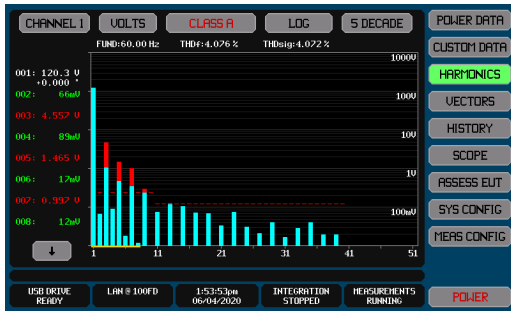


Vitrek Offers White Paper on Testing LED Lighting Products for Compliance

New paper discusses how Vitrek’s power analyzers, DC loads and hipot testers provide engineers with the highly functional, accurate, efficient, and compact tools needed to assure their LED lighting devices and systems meet lighting industry compliance standards.



The PA900 power analyzer with built-in EN50564

Poway, CA—May 17, 2022—[Vitrek](#), a major manufacturer of electrical safety testing equipment, announces a new white paper geared to engineers and technicians who need to navigate myriad industry standards when testing LED lighting applications. The paper begins with an overview of relevant EnergyStar and other voluntary initiatives, as well as mandatory specifications like the latest IES LM-79-19 and the ANSI C82.16 documents. The paper also describes how Vitrek’s PA900 Power Analyzer and other test equipment helps enable users to easily confirm that LED lighting products meet the necessary parameters for performance, energy efficiency, verification and safety – before being sent to UL and other testing facilities. The paper details how Vitrek’s compact, portable devices speed and simplify compliance checks during each phase of product development.

The products discussed include:

- **PA900 Power Analyzer** – Used during design/production and verification testing, the compact analyzer meets updated LM-79-19 specification for the higher K=2 accuracy requirements; offers “built-in” specifications, such as Energy Star EN50564 specification (see image) and EN61000 (Class A) for harmonics testing.
- **DL Series Electronic DC Load** – Portable programmable load used to check performance and energy efficiency parameters for LED lighting during the lighting product’s design and production phases.
- **V7X Series and 95X Series Hi Pot Testers** – In the final product testing phase, hipot testers assure LED lighting product will pass safety certification testing; external options of up to 30KV testing on the AC side and up to 15KV on the DC side.
- **964i High Voltage Switch** – During the final test phase, used with Vitrek’s V7X and 95X hipot testers to test LED drivers on the production line; or with only one hipot tester to quickly test relays 1-10.

“Manufacturers and users of LED lighting applications need to be assured that their products will be qualified according to a multitude of reliability and efficiency standards,” said Chad Clark, Director of Sales “We created this white paper to show engineers how Vitrek’s portable, accurate testing equipment makes it easy to check these products for compliance from the design and production phase to final safety testing.”

To download the white paper “Vitrek High Performance Test Equipment Assures LED Lighting Products Comply with Industry Standards,” please go to: <https://vitrek.com/lighting-industry-products/>

About Vitrek

Since 1990, [Vitrek](#) has provided innovative global solutions for high voltage test and measurement including electrical safety compliance testers, multi-point high voltage switching systems and graphical power analyzers. The recent acquisition of MTI Instruments expands their test and measurement portfolio to include non-contact measurement devices, portable signal simulators and calibrators, semiconductor/solar metrology systems and turbine engine/rotating machine balancing. The acquisition of DynamicSignals’ portfolio adds a wide array of board-level data acquisition and integrated real-time RF record/playback system solutions from GaGe, KineticSystems and Signatec. Vitrek also supplies precision high voltage measurement standards to national laboratories and calibration labs around the world. This unique, and complementary, combination of product and engineering capabilities positions Vitrek as a leading provider of test solutions serving the photovoltaic, medical equipment, power conversion, electrical component and appliance industries.

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