

FOR IMMEDIATE RELEASE

UV-C Lamp Meter from UV Resources Ends Replacement Uncertainty for Building Engineers

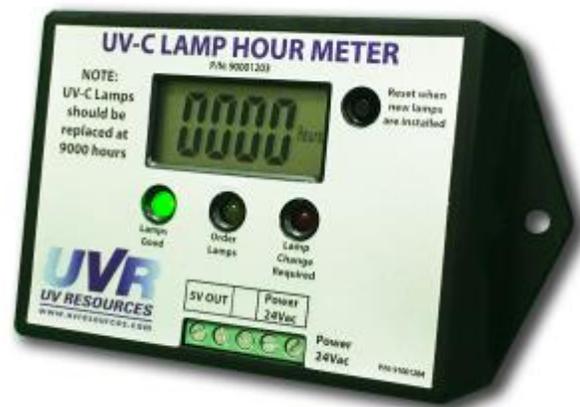
Lamp Hour Meter Tracks Lamp Life; Links to BMS Systems

SANTA CLARITA, CALIF. (OCT. 17, 2017) — A new Ultraviolet-C germicidal (UV-C) Lamp Hour Meter from UV Resources alerts building engineers to potential disruptions to the efficiency-boosting technology's benefits, including decreasing HVAC energy costs by an average of 10-25 percent.

UV-C Lamps installed in HVAC/R systems have been shown to improve indoor air quality, increase airflow, boost heat exchange efficiency and reduce maintenance needs. Moreover, the savings generated by the efficiency-enhancing UV-C equipment is a mere fraction of the average \$0.15 per cfm installation investment.

Over time, all UV-C lamps will lose energy yield, regardless of the make or model. Left undetected, this decreased germicidal output will allow harmful microorganisms to propagate on HVAC cooling coils, drain pans, upper air spaces, etc.

Able to be installed anywhere, the UV-C Lamp Hour Meter solves this problem by measuring the lamps' total run time from installation against industry standard data that correlates with roughly a 9,000-hour annual lifespan. After 8,041 hours, or about 11 months, the meter's solid green LED light and BMS signal changes to a slow, intermittently flashing orange LED and signal as an early reminder that lamp replacement is imminent. After 9,000 hours, a red LED and signal begin to flash rapidly, indicating the immediate need for lamp replacement. Once the lamps are replaced, the meter is simply reset.



The UV-C Lamp Hour Meter from UV Resources alerts building engineers when to replace their ultraviolet-C (UV-C) lamps via LED & remote signals.

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“Historically, only about 20 to 30 percent of building engineers actually replace their UV-C lamps, usually because they’re installed in easily-overlooked areas,” explains Dan Jones, president of UV Resources. “The UV-C Lamp Hour Meter continuously tracks lamp life and reminds engineers before it’s time for a change-out, giving them time to preserve the indoor environmental quality (IEQ) and efficiency benefits garnered through UV-C.”

Due to its stand-alone nature, the UV-C Lamp Hour Meter can be installed anywhere convenient for the building engineer. It can also be easily incorporated into a building management system, in which case a 5V signal will be used for a relay connection.

Other Key features of the Lamp Hour Meter include:

- An easy-to-read **LCD screen** that displays the UV-C lamps’ total elapsed run-time from the moment of installation.
- Green, Yellow and Red **LED Visual Lamp indicators** that signal the lamps’ status to building engineers (green for fully operational; orange as a warning for upcoming replacement need; red for immediate replacement need).
- 5V indicator signal for remote monitoring by BMS systems.
- **Dynamic memory** that allows the meter to pick up where it left off in case of power loss.
- A **push button** reset of lamp-life timer to zero hours after replacement.
- **Durable construction** consisting of high performance industrial grade plastic impregnated with black-carbon for structural integrity.
- **Mounting tabs** for simple installation.
- A **terminal block** featuring screw-down electrical clamps, 5V out-signal and power connections using solid or stranded wire.
- The ability to be powered by a **24V wall adaptor or hardwired**.

Benefits of Annual Replacement

Aside from the main IEQ and HVAC/R efficiency benefits derived from keeping the UV-C lamps functional and capable of destroying harmful microorganisms, an annual replacement schedule is more cost effective than individual replacement.

“The annual schedule maintained by the UV-C Lamp Hour Meter allows building managers to consolidate change-outs into one service interval, allowing the facility to purchase lamps in larger quantities to save both money and time on installation,” explains Jones.

The UV-C Lamp Hour Meter will be available for shipment to UV Resources distributors beginning on November 1, 2017, and will come with a one year warranty.

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PRODUCT SUMMARY:

The Ultraviolet-C germicidal (UV-C) Lamp Hour Meter from UV Resources alerts building engineers to potential disruptions to the efficiency-boosting technology's benefits, including decreasing HVAC energy costs by an average of 10-25 percent. It monitors the lamps' total run time against industry standard data and signals when lamp replacement is needed.

ABOUT UV RESOURCES:

UV Resources (UVR) is a leader in the education, design and innovative engineering of affordable ultraviolet-C equipment for a variety of commercial, healthcare, government and residential HVACR applications. In addition to developing new and unique UV products for specific applications, UVR team members were among the first to properly apply UV energy in air conveyance systems of all types. UVR is an active member of ASHRAE, Illuminating Engineering Society (IES) and the International Ultraviolet Association (IUVA). For more information, call 877-884-4822; or visit www.uvresources.com.

For editorial assistance, contact Joel Williams c/o O'Reilly DePalma at (815) 469-9100; e-mail: joel.williams@BetterPR.com.

Hi-res versions of photography to accompany this release are available for immediate download by using this link: <http://uvr.oreilly-depalma.com/2017/lamp-hour-meter.shtml>.