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Take the mystery out of UV curing: New Radiometer/Dosimeter Offers More Functions at Lower Cost

Duluth, MN – Apprise Technologies, Inc. announces the release of a revolutionary new integrated radiometer and dosimeter, the UV Minder™. This handheld unit is designed to monitor UV light sources used in a wide range of UV curing applications. The UV Minder can assist equipment operators and managers alike to optimize the curing window for adhesion and superior surface cure.

"There are several technical and operational advantages contained in the UV Minder," says Christopher Owen, Apprise President and COO. "First, the primary UV Minder component is based on 'first of its' kind' technology never before applied to a radiometer. This technology allows us to manufacture a multiple function radiometer at a much lower cost than ever before. Secondly, the UV Minder offers a built in sensor to measure UV energy reaching the unit itself in addition to remote probes that can be placed directly on the work surface to obtain the most meaningful information for maximizing the curing window and recording successful curing parameters. From a cost versus function standpoint, the UV Minder measures *both* irradiance and dose, a function only found on significantly higher priced systems. In addition, the UV Minder can function as *both* a broad-band (A+B) and as a narrow-band (A or B) radiometer by use of variable plug-and-play remote probes."

Dose and Irradiance Captured: Dose has long been the standard and sometimes the only measurement provided by radiometer. Although dose still remains a critical component of proper curing, it is often the increase in irradiance, not dose, which can effectively cure deep layers, the UV Minder offers both measurements to help managers and equipment operators identify the best "cure window." Apprise calibrates the UV Minder using NIST traceable standards.

Narrow-band, Broad-band Versatility: UV Minder offers both narrow-band A or B and broad-band A+B measurements. When used as a narrow-band radiometer, the UV Minder sees only the lamp energy output in the 320 – 400nm (UV A) or 280 – 320nm (UV B) range. The UV Minder used as a narrow-band radiometer, provides excellent dose and irradiance data needed to distinguish the output of different lamp types, or to uncover any changes in lamp performance over time. Identifying bulb efficiency for process control is a perfect application for the narrow-band feature of the UV Minder. When the UV Minder is used as a broad-band (A+B) radiometer, it sees UV energy from 280 – 400nm, critical to many curing applications. Using the UV Minder as a broad-band radiometer provides useful measurements of total UV dose.

Integral Sensor and Remote Probe Flexibility: The UV Minder has a built in UV A+B sensor and comes standard with a remote UV A+B probe for direct work surface measurements. Two additional remote probes are also available for UV A and UV B measurements. Remote probes offer the user the most flexibility for measuring radiant energy arriving at the work surface.

The UV Minder is sold direct by Apprise at www.appriseuv.com, and through quality distributors reaching the specific needs of several industries.

Apprise develops and sells sensor delivery and management system to the industrial, regulatory, scientific, and environmental monitoring and process control markets. Their cutting edge technology is packaged in practical, rugged, low cost equipment solutions that allow decision-makers to make better decisions affecting cost, quality, and human health. For more information contact Apprise Technologies, Inc., phone: 218-624-2800, web site address: www.apprisetech.com.

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