



ACS Material Equipment Series

MetriTec™ UV Light Meter

I.	Product Overview
II.	Product Features
III.	Product Application

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I. Product Overview

ACS Material's **MetriTec™ UV Light Meter** are precision instruments designed to accurately measure the intensity of ultraviolet (UV) radiation. These devices are essential for monitoring and controlling UV exposure in a wide range of applications. Commonly used in medical research, industrial manufacturing, UV curing processes, sterilization, germicidal lamp monitoring, and environmental assessments, UV light meters play a critical role in ensuring operational safety, process efficiency, and compliance with UV exposure standards.

II. Product Features of the MetriTec™ UV Light Meter Series

MetriTec™ UV Light Meter M125 + Probes is a smart host that can support 9 different types of probes. Its main function is data display. The UVC-X0 probe is one of the probes which is equipped with a UV radiometer host. The response wavelength of the probe is 230nm-280nm. It is a digital probe that professionally detects the intensity and energy of 254nm high-power UVC germicidal lamps.

Hospitals, disease control centers, pharmaceutical plants, food plants, schools, kindergartens, movie theaters, buses, offices, homes, and other places where people need to use UVC sterilization will use the probe to test the intensity of UVC.



MetriTec™ UV Light Meter M126 intensity meter is ideal for testing the intensity and energy of UVA band in UV LED light source, mainly contains 365nm, 375nm, 385nm, 395nm, 405nm band, mostly used in curing and exposure industry. The meter has a wide spectral response range, suitable for measuring various wavelengths from 365nm to 405nm. The width of the probe is only 7.2mm, which is applicable for measuring the narrow space where the ordinary probe is not easily placed.



MetriTec™ UV Light Meter M128 is a professional instrument for measuring the intensity of UVC germicidal lamps. The UV radiometer is delivered with a 1-meter test hook. It has a Bluetooth data transmission function. After connecting with the mobile phone APP, it can monitor the intensity of the germicidal lamp in real time from a certain distance to avoid UV burns during the test.



MetriTec™ UV Light Meter M127 is a professional instrument for measuring the radiation intensity of UVC germicidal lamps. It utilizes an integrated design and is easy to operate. It can monitor the intensity of germicidal lamp radiation in real time while keeping users away from UV radiation damage. It has a 1-meter test hook.



III. Product Application

UV light meters are critical tools across a broad spectrum of industries, including UV curing, medical sterilization, phototherapy, environmental monitoring, UV lamp testing, and scientific research. These instruments ensure optimal UV intensity for curing applications, verify the effectiveness of UVC disinfection, regulate UV exposure in medical treatments, and monitor environmental UV levels.

By delivering precise and reliable measurements, UV meters support improved process efficiency, operational safety, and regulatory compliance, making them indispensable in quality control and system maintenance for UV-based technologies.

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