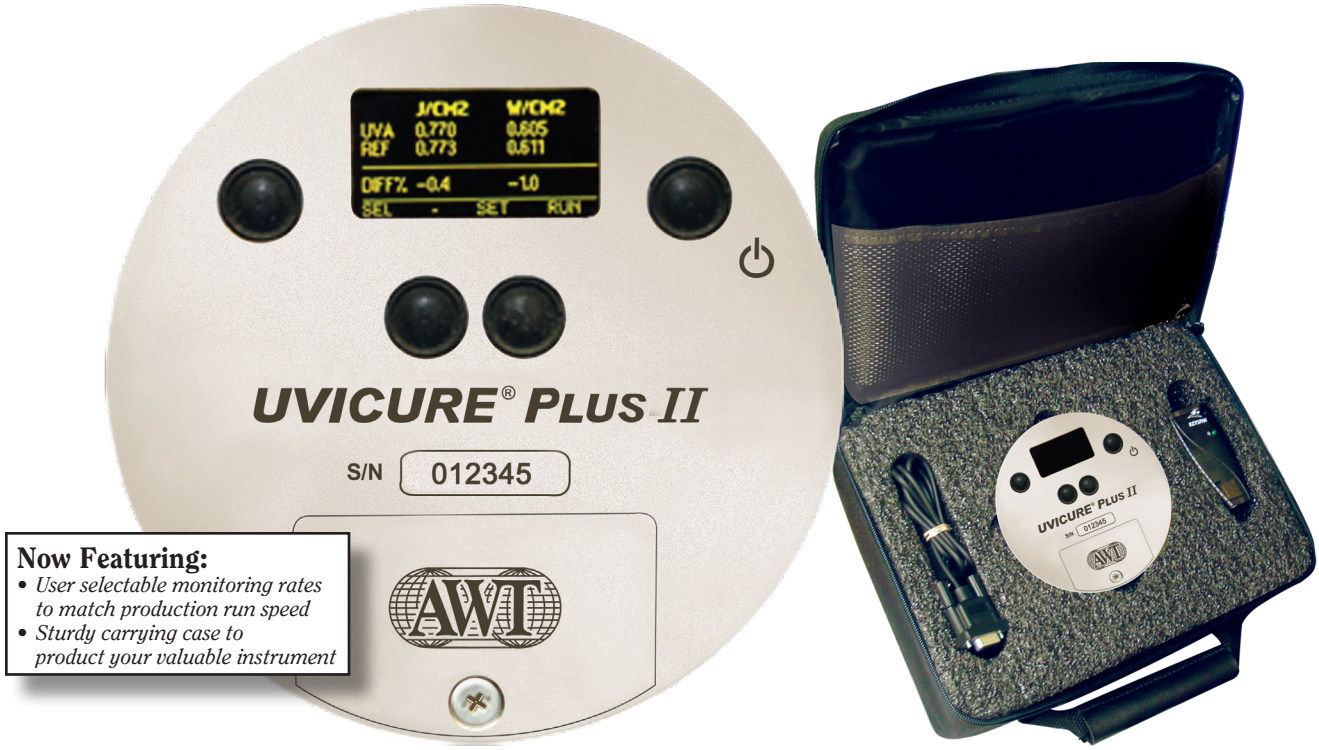
RADIOMETER

Ultraviolet Light Output Meter

Be in Control of Your Printing Results



GET UNIFORM RESULTS–EVERY TIME!

The A.W.T. Radiometer measures the total UV energy levels at which your substrates are being cured and subsequently exposed to during the ink curing process. Now with user-selectable sample rates for faster or slower production runs.

The Radiometer will help you establish a "standard of curing," assuring you of uniform and exact results day after day. You will know your proper curing rates!

Once that standard is established, you will see if there are any variations, and upon discovering inconsistencies, alert you to conduct maintenance procedures such as rotating or changing lamps, or cleaning your reflectors. Convenient reference mode makes it easy to compare readings for troubleshooting. Data also can be exchanged with you PC/PDA through the serial communications port.

This will keep your department proactive and will help prevent having to redo jobs, saving your company time and money! Comes complete with carrying case.

The A.W.T. Radiometer is preset to monitor the UVA (320-390 nanometer) range, which is appropriate for virtually all screen printing applications. If your specialized applications require it we can, by special order, set the Radiometer to read a different range: UVB (280-320nm), UVC (250-260nm) or UVV (395-445nm).

Manufactured by

A.W.T. World Trade, Inc.

Division of The A.W.T. World Trade Group

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A.W.T. Radiometer

Take Charge of Your Output

Standard Features

- Easy to Use: Single Button for On/Off and Run
- Colorful, Easy to Read Display: Select low, medium, or high intensity for the graphical display of total UV dosage or exposure.
- Battery Operated with Auto Timeout: Operates on two AAA alkaline batteries with approximately 20 hours battery life with display on. Automatically times out after no activity for two minutes to save battery life.
- Rugged, Compact and Lightweight:
  Material—Aluminum, stainless steel
  Dimensions—4.60 x 0.50 inches (117 mm x 12.7 mm)
  Weight—10.1 ounces (289 grams)
- User Selectable Sample Rates: Choose between faster or slower production runs.
- Standard Bandwidth: UVA (320-390nm)
- Special Order Bandwidths Available: UVB (280-320nm), UVC (250-260nm) or UVV (395-445nm)
- Setup Function: Provides user selectable instrument default modes for data analysis and comparison, screen, and operational settings.
- Graph Mode: Displays a graph illustrating the collected UV irradiance and energy, expressed in mW/cm2 vs. time.
- Reference Mode: Used for comparison between readings. Can be useful for system setup and troubleshooting. The user can store the selected UV reading in the radiometer as a base line or reference reading, then compare that reading to another. The radiometer will display both readings and indicate the percentage of change between readings. Data is displayed in mJ/cm2 and mW/cm2, and percentage.
- Unit of Measure: The unit of measure is user selectable to provide ease of reading for operators. Display the data as you want to see it. Selections are: milliJoules/cm2, milliWatts/cm2, Joules/cm2, Watts/cm2, microJoules/cm2, microWatts/cm2.
- Communications Port: Serial communications protocol between unit and PC/PDA. Download collected data to a computer for statistical analysis and data logging.
- Convenient Carrying Case: Cut polyurethane interior with scuff-resistant nylon exterior cover protects your UV Radiometer when not in use or during transport. Carrying case weighs only 9 ounces (260 grams) and measures 10.75 x 3.5 x 7.75” (274 x 89 x 197 mm).

Other A.W.T. Tools to Control the Process

Tension Meter
Measure mesh tension

Heat Spy Gun
Measure temperature

Durometer
Measure rubber hardness

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