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Product information

Updates on UV Process Supply products

ITEM	PART NO.
ClearView	M007-095

Yearly Calibration (NIST Traceable) service is also available.


UVPS[®]
UV PROCESS SUPPLY, INC.

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 **CON-TROL-CURE**[®]
CLEARVIEW
RADIOMETER

UV C 220 - 280 nm
mW/cm²




UVPS[®]
UV PROCESS SUPPLY, INC.
WWW.UVPROCESS.COM

SAFE USE & OPERATIONS MANUAL

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RETURN AND WARRANTY CLAIMS PROCEDURES

Upon receipt of the product: Please inspect and operate the ClearView. Claims for damage, nonfunctionality and shipping damage must be made within three (3) days of receipt of the product. After this date, repair, not replacement may be offered.

Return of product without cause: A restocking fee of 25% will be charged on all product returns within 30 days from the date of purchase if products are in re-stock condition, Re-stock condition will be determined by CON-TROL-CURE. CON-TROL-CURE is not responsible for any loss or expenses caused during the return of products. CON-TROL-CURE will make a good faith effort for prompt correction or other adjustment with respect to any product returned for restocking.

Warranty claim:

1. Contact CON-TROL-CURE immediately when a product problem occurs.
2. If the problem requires return to Apprise for evaluation, you will be given a RETURN GOODS AUTHORIZATION NUMBER (RGA#). This number MUST accompany the product when returned to CON-TROL-CURE. A returned product to Apprise without a RGA# will not be evaluated and will not be given warranty consideration.
3. Return the product in a protective box, via an insured carriers to:
 CON-TROL-CURE
 ATTN: Service Department
 1229 West Cortland Ave.
 Chicago, IL 60614
 Inside the box include a written description of the product problems and prominently display the RGA# of your claim.
4. You will be notified via email or fax of the receipt of the product. This notification will indicate the time required to evaluate the product for warranty consideration. CON-TROL-CURE evaluation may take up to 30 days for receipt of the product. Evaluation may require additional time if the product problem requires CON-TROL-CURE to send the product to a third party for further evaluation.
5. You will be notified via email, fax or phone upon the completion of the evaluation and determination of corrective action. CON-TROL-CURE reserves the right to repair or replace defective products.

Please record your ClearView Serial Number in the space below. This number will be needed for replacement parts and any warranty issues.

The Serial Number is located inside the battery cover of the ClearView.

ClearView #: _____

If you have questions about your new ClearView please contact CON-TROL-CURE at info@uvprocess.com or call 773-248-0099.


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Safety Considerations: UV Protection -Always use suitable eye, face and skin protection equipment when working with UV light. The use of gloves, safety glasses, viewing windows, shields and filter materials are recommended. Please consult your UV equipment manufacturers information for additional UV safety considerations.

WARRANTY

CON-TROL-CURE warrants its products to be free from defect in materials and workmanship under normal use for a period of one (1) year from the date of purchase. At its option, CON-TROL-CURE will repair or replace any defective part for one (1) year from the date of original purchase in the event of a defect in materials and workmanship.

This warranty is extended solely to the original purchaser. A purchase receipt (or other proof of original purchase date) and product serial number will be required before warranty service is rendered

This warranty shall not apply:

1. To products damaged in shipping,
2. To products not supplied by CON-TROL-CURE, or CON-TROL-CURE sales partners, and
3. To a product which has been subject to negligence, accident or damage or to improper operation, maintenance, repair alteration or to other than normal use and service

There are no other express warranties.

LIMITATION OF LIABILITY: IN NO EVENT SHALL CON-TROL-CURE'S LIABILITY EXCEED THE TOTAL AMOUNT PAID BY BUYER FOR THE PRODUCT. IN NO EVENT SHALL CON-TROL-CURE BE LIABLE TO THE BUYER OR ANY OTHER ENTITY FOR A ANY ANY - SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, HOWEVER CAUSED, OR ANY THEORY OR LIABILITY INCLUDING WITHOUT LIMITATION LOSS OF GOODWILL, PROFITS OR REVENUE, LOSS OF USE OF THE PRODUCT, COST OF CAPITAL, COST OF ANY SUBSTITUTE PRODUCT OR CLAIMS OF ANY PARTY DEALING WITH THE BUYER FOR SUCH DAMAGES. ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE

PRODUCT OVERVIEW

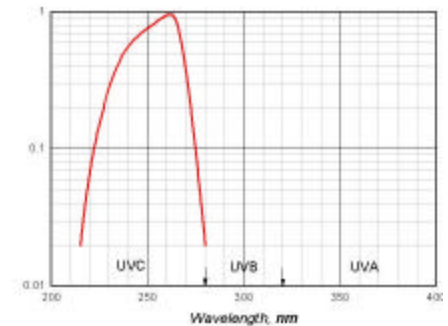
Measurements

The ClearView radiometer measures instantaneous irradiance for wavelength range 220 - 280 nm of optical radiation. IRRADIANCE is the radiant flux incident per unit area of a surface. IRRADIANCE is also called radiant flux density. ClearView Probe sensor has hermetic enclosure and may be used as a submersible device for depths to 2m (6.6ft).

Traceability AND Accuracy

ClearView calibration is directly traceable to a National Institute of Standards and Technology (NIST). NIST calibrated photodiode serves as primary standard for ClearView calibration. The typical spectral sensitivity curve has a maximum at 260 nm. Accuracy of the ClearView is $\pm 5\%$ typical, $\pm 10\%$ maximum. CON-TROL-CURE recommends periodic recalibration of your instrument every 12 months. Calibration services are available through CON-TROL-CURE.

UV C Sensor Spectral Sensitivity




Wavelength, nm

Maintenance and Storage

ClearView Cleaning: Use a dry, soft cloth to clean the radiometer.

Photodiode Cleaning: The UV Sensor window should be cleaned with cotton swab and ethyl or rubbing alcohol before each use. Keep the window free of oils, dirt and dust.


Replacing the Battery: A symbol on the display  will appear when it is time to replace the battery. Before replacing the battery make sure the ClearView is turned off. Remove the battery compartment cover (see pg. 3 for location of the battery compartment). Remove the old battery and properly dispose of it. Install a new 9V battery.

Storage: Do not store the ClearView in extreme temperatures or humidity (refer to specification for exact measurements). Do not store in direct sun light.

**PRODUCT SPECIFICATIONS:
STANDARD CLEARVIEW RADIOMETER**

(Standard package: Radiometer, remote UV C photodiode, and manual.)

Response Range	220 - 280 nm (UV C)
Peak Response	260 nm
Efficiency Response at 254nm	90%
Irradiance Range	0-20 mW/cm ²
Resolution	10 uW/cm ²
Accuracy	± 5% typical; ± 10% max (for reading >0.2 mW/cm ²)
Sensor (remote)	SiC Photodiode
Conv. Rate	2.5 Readings/Sec
Display	3.5 Digit LCD (digit size 0.35 inches high)
Oper. Temp	60° F to 95° F (15° to 35° C)
Oper. Humid.	15% to 80% RH
Dimensions (radiometer)	3" L x 2.5" W x 1.05" D (76 x 64 x 27 mm)
Dimensions (remote probe)	0.87" Dia x 0.4" H (22 x 10 mm) head 10' remote probe cable length
Weight (radiometer)	3.07 OZ (105 g) incl. battery
Weight (remote probe)	1.3 OZ (37 g)
Power Source	9-Volt battery (not included in package) 6AM-6PI or MN1604 (6LR61) alkaline battery recommended
Supply current	0.35 mA max
Low Battery operating level	3.7 V
Battery Life	>1000 hrs continuous operation



Safety Considerations: UV Protection - Always use suitable eye, face and skin protection equipment when working with UV light. The use of gloves, safety glasses, viewing windows, shields and filter materials are recommended. Please consult your UV equipment manufacturers information for additional UV safety considerations.



STEPS TO MEASURE IRRADIANCE

1. Plug the UV Probe into the UV Probe port
2. Push the black I / O switch to the I position to turn the ClearView on.
3. Expose the UV Sensor to the UV light source.
4. Within seconds the LCD indicates irradiance in mW/cm².
5. Push the black I / O switch to the O position to turn the ClearView off.