scientific
A WATTS Brand

NEW!

HF scientific AccUView LED Online UV Analyzers

- **Long-life LED light source and minimal maintenance**
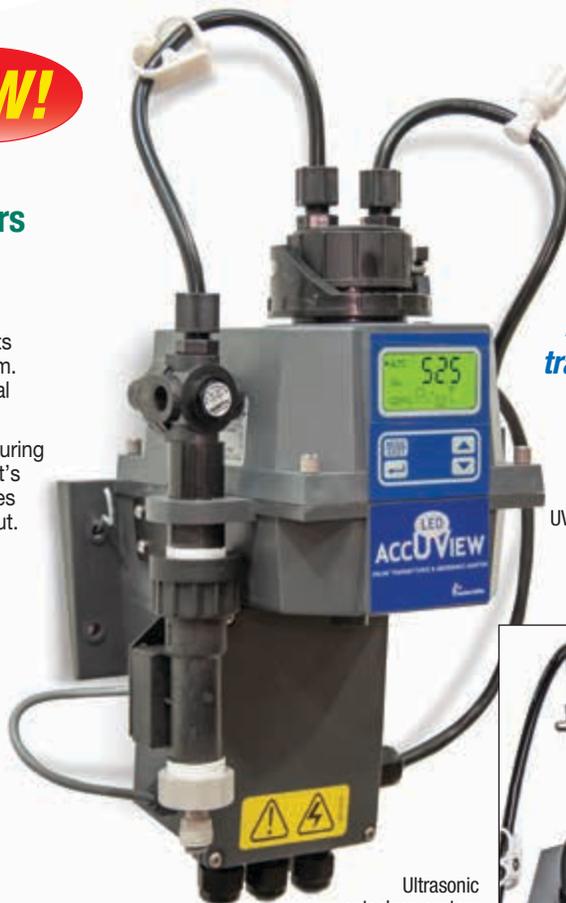- **Automatic ultrasonic self-cleaning measuring chamber**

Use the AccUView LED online UV analyzer to take continuous measurements of UV transmittance or absorbance in your drinking water disinfection system. Compact and easy to use, it features an all-in-one design that needs minimal maintenance—making it the most cost-efficient instrument of its kind.

Analyzer uses advanced LED technology to take 1-second measurements during a user-programmable interval (4 to 60 seconds). This extends service life—it's typically 10 years before you need to replace the LED lamp. Analyzer features two independently programmable relay outputs and a 4-20 mA analog output. Choose from a standard analyzer or an analyzer with an integral flow alarm switch that sends notifications if inlet flow drops below 1 L/min.

Calibration is simple using a single reusable calibration standard; calibrate weekly for optimum accuracy. Simply fill a cuvette with calibration solution, place it into the measuring chamber and verify the reading—just like a laboratory meter! The cuvette holds just 25 mL to reduce calibration costs. Desiccant and internal heating systems control the measuring environment, eliminating condensation to give you worry-free, reliable readings.

A patented autoclean system keeps the optical glass cuvette chamber clean by sending an ultrasonic frequency through a unique device bonded to the bottom of the cuvette. This convenient feature keeps the glass from staining and lengthens the time between necessary manual cleaning and maintenance. To make periodic maintenance easier, order the **tubing replacement kit** (stock # 41394), which contains a shutoff clamp, backpressure valve, and $5/16$"-OD black tubes with fittings for the analyzer's flow-through assembly.

Analyzer includes: desiccant pouch, two auto-cleaning optical glass cuvettes, field power supply box with interconnecting cable, backpressure valve, inlet pressure regulator, and 125-mL bottle of 100%T calibration standard.

Continuously measures UV transmittance or absorbance

UV Analyzer with Flow Alarm
43491

Ultrasonic autoclean system keeps the optical glass cuvette chamber clean.

Range:	0 to 100% transmission, 0 to 2.0 ABS
Accuracy:	± 1.0%T, ±0.002 ABS
Resolution:	± 0.1%T, ±0.0001 ABS
Light source:	LED, ultraviolet wavelength 253.7 nm, factory replaceable
Display:	integral multi-line backlit LCD
Outputs	
Analog:	4-20 mA (when RS-485 not in use)
Relays:	two SPDT, programmable for hi/low/error alarms (with delay); rated 2A @ 120 VAC
Communication:	RS-485 Modbus (when 4-20 mA not in use)
Power:	100 to 240 VAC, 47 to 63 Hz
Operating conditions:	32 to 122°F
Flow rate:	0.026 to 0.40 gal/min (100 mL/min to 1.5 L/min)
Inlet water pressure:	max 200 psi (integral pressure regulator)
Housing:	ABS plastic, indoor flat surface-mount
Dimensions:	approx. 9"W x 15.5"H x 8"D
Approvals:	CE, UL, CSA

MFR #	DESCRIPTION	STOCK #	EACH
28041	AccUView LED Online UV Analyzer	**43487**	$
28042	AccUView LED Online UV Analyzer with Flow Alarm	**43491**	
ACCESSORIES			
19323	Calibration Standard, 500 mL, 100%T, Certified	**43692**	$
–	Black Inlet/Outlet Tubing, $5/16$"OD x $3/16$"ID, 50'L Roll	**41467***	
–	Black Inlet/Outlet Tubing, $1/4$"OD x 0.17"ID, 50'L Roll	**17111****	
–	Shielded Instrument Wire, 22/3 Gauge	**42740**	/ft
REPLACEMENT ITEMS			
21555R	Desiccant Pouch	**41483**	$
24232S	Cuvette (for use with Ultrasonic Auto-Clean System)	**43693**	
21062	AccUView Tubing Replacement Kit	**41394**	

*Use $5/16$" tubing with stock # 43487.   **Use $1/4$" tubing with stock # 43491.

Suitable for drinking water, wastewater and industrial applications

NEW!

Real Tech UV254 Portable UV Meters

- **Quickly indicates disinfection byproduct (DBP) potential**
- **Checks the efficiency of your UV system in seconds**
- **Easily provides accurate, repeatable results**

Identify the presence and relative concentration of organics in water with the Real Tech UV254 UV Meter. Ideal for both water and wastewater applications, this easy-to-use portable meter quickly delivers accurate, repeatable measurements.

Meter measures either UV transmittance (UVT) or absorbance (UVA) with the flip of a switch. To use the meter, simply warm it up for 90 seconds, put your sample water into the cuvette and measure—you'll have the results in a few seconds.

Includes: quartz cuvette and instructions. 2-year warranty.

DESCRIPTION	STOCK #	EACH
Portable UV Meter with Power Cord & Adapter	**87794**	$
Portable UV Meter with Rechargeable Battery	**87795**	