

IN-LINE / SUBMERSION UVT MONITORS WITH LED TECHNOLOGY



INDUSTRIES:

Municipal Wastewater
Industrial Water
Industrial Wastewater
Drinking Water
Food and Beverage
Pharmaceutical
Semiconductor

Stable measurements driven by UV-C LED technology

Patented automatic cleaning and calibration

Simple connectivity with direct 4-20mA output

Reduced maintenance with no field servicable parts

Continuous monitoring for UV disinfection control

Smarter UV-Transmittance Monitoring.

Sensorex's UVT-LED transmittance monitors are the first UVT monitors in the world to use a UV-C LED light source. This technology offers advantages over traditional mercury lamp UVT instrumentation, including stable output with zero warm up time. The result is more accurate UVT measurements over a longer period of time, without the need for frequent recalibration or light source replacement.

Automatic Cleaning and Calibration

Maintenance is minimal thanks to our patented wiper technology, which delivers a swift cleaning cycle and automatic calibration to a quartz reference standard.

Effortless Installation or Retrofitting

We offer several different mounting kits - perfect for new installs in an open channel, retrofits for Hach® models, or various in-line configurations using a sanitary connection.

Simple Connectivity

The sensor directly outputs a 4-20mA signal for tuning the power of a UV disinfection system or monitoring with a data logger.

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

11751 MARKON DRIVE • GARDEN GROVE, CA 92841 • 714.895.4344 • WWW.SENSOREX.COM

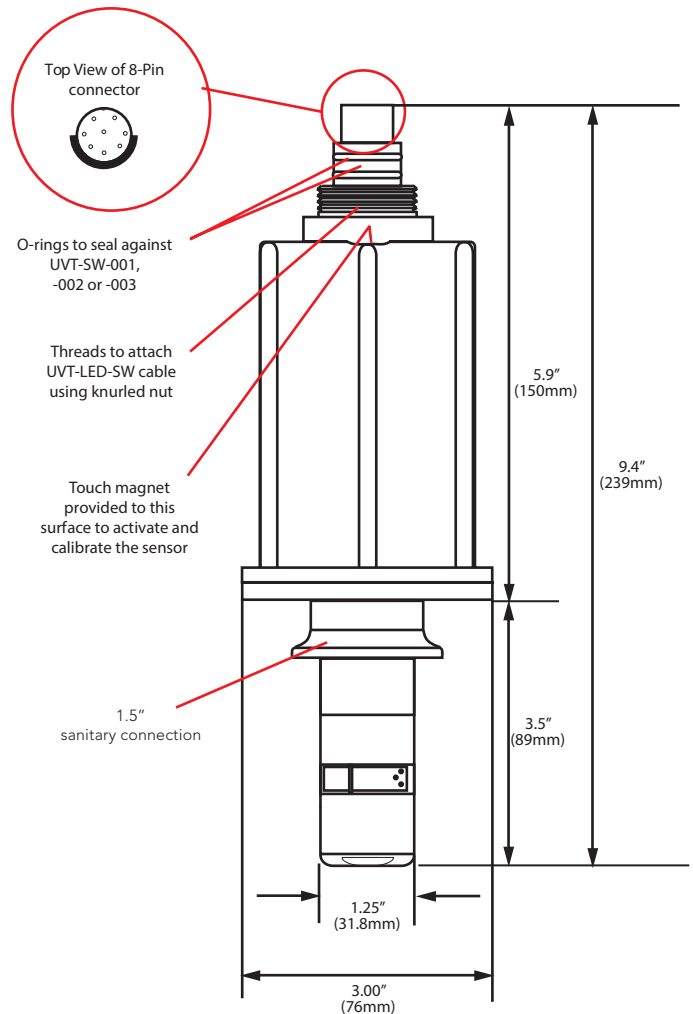
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SPECIFICATIONS

Measurement Technique	UV Absorption Method (Single Beam Technique), Reagent-Free
Measurement Path Length	1cm
Wavelength	254nm
Output	4-20mA
Power Requirement	24V DC, 5A min. (not included)
Accuracy	1.0% T
Resolution	0.1% T
Light Source	UV-C LED
Measurement Range	10% - 100% T
Measurement Interval	60 seconds
Sample Flow Rate	N/A
Inspection Interval	3 months
User Maintenance	1 hour/month (Typical)
IP Ingress Rating	IP68
Warranty	2 year limited warranty
Dimensions	9.40" H x 3.00 " DIA
Weight	1.78 lbs (0.81 kg)



OUTLINE AND DIMENSIONS



See User Manual for detachable cable assembly and mounting hardware kits.

ORDERING INFORMATION

Part Number	Description
UVT-LED-SW	Online UV-Transmittance Monitor (Includes UVT-SW-001)
UVT-SW-001	Detachable cable assembly for UVT-LED-SW, 10 m (33 ft) length
UVT-SW-002	Detachable cable assembly for UVT-LED-SW, 20 m (66 ft) length
UVT-SW-003	Detachable cable assembly for UVT-LED-SW, 30 m (99 ft) length

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ORDERING INFORMATION

IN-LINE INSTALLATION ACCESSORIES

Part Number	Description
UVT0008	Installation Kit, Stainless Steel Pipe (2" NPT)
UVT0009	Installation Kit, Stainless Steel Pipe (Weld On)
UVT0015	Installation Kit, Sanitary Flow Cell (3")
UVT0021	Installation Kit, PVC Pipe (2" NPT)
UVT0023	Installation Kit, PVC 2" Flow Cell
UVT0024	Installation Kit, Sanitary Flow Cell (2")
UVT0025	1.5" Sanitary Flange Cap, Stainless Steel

SUBMERSIBLE INSTALLATION ACCESSORIES

Part Number	Description
UVT-SW-004	Installation kit for UVT-LED-SW, retrofit installation
UVT-SW-005	Installation kit for UVT-LED-SW, new installations

DISPLAY

Part Number	Description
LPM100	Loop-powered 4-20mA display for use with UVT-LED-SW
LPMA-002	Pipe Mount Hardware for LPM100

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