



UVM-1624

GLASCO UV manufactures ultraviolet monitoring for both clean and wastewater. The UVM-1624 is a 24 Volt UV monitoring system (used with 120 and 220 Volt) that can work with a variety of UV sensors.

ULTRAVIOLET MONITORING

The meter can provide a relative UV output (0 to 100%) or can provide true UV output (W/m² or mW/cm² when used with a digital sensor).

The UVM-1624 meter provides a 4-20 mA output for remote logging. Systems that incorporate PLCs can interface with this device.





APPLICATION

Wastewater Treatment Plants

CUSTOMERS

New equipment

Existing equipment requiring upgrades

SENSORS



Basic Analog Sensor
0 to 100%



Digital Sensor
0 to 100%, Wm2,
mW/cm2

END USERS

UV disinfection - wastewater plants require UV monitoring for understanding system status as well as for required regulatory reporting.

New Systems

The UVM-1624 is standard on our wastewater treatment equipment. It is integrated for basic sensors as well as digital sensors that are cleaned as part of the automatic quartz cleaning process.

Existing Systems Requiring Upgrade

The UVM-1624 can be provided as a stand alone monitoring system for existing systems no matter the Original Equipment Manufacturer (OEM).

Many plants are facing changing requirements from regulators. With these changes, plants may be required to provide UV output information in their reporting requirements.

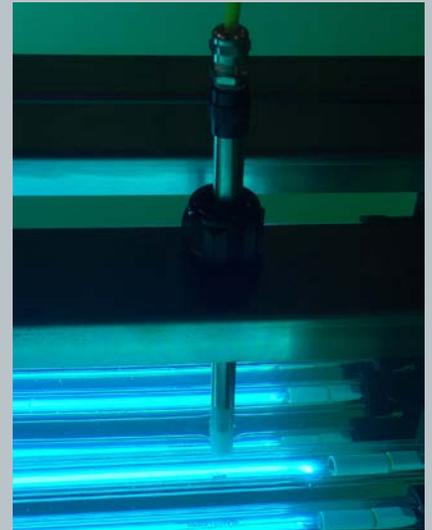
CHALLENGE - UV MONITORING

UV sensors can foul due to solids and algae in the wastewater stream. The probe used to read UV output can be easily removed for cleaning. For systems that opt for automatic quartz cleaning, the UV sensor will be cleaned as part of that process.

The sensor probe is manufactured with a Teflon cover to minimize buildup, which can result in erroneous lower readings.



UV Monitor is contained in a remote NEMA 4x fiberglass enclosure with gasketed seals. Enclosure has a port to access the 4-20 mA signal.



Sensor looks at a quartz sleeve and looks at a single lamp in this configuration.

Output
%
Wm²



UV meter is field adjustable and can be re-calibrated when new lamps are installed.

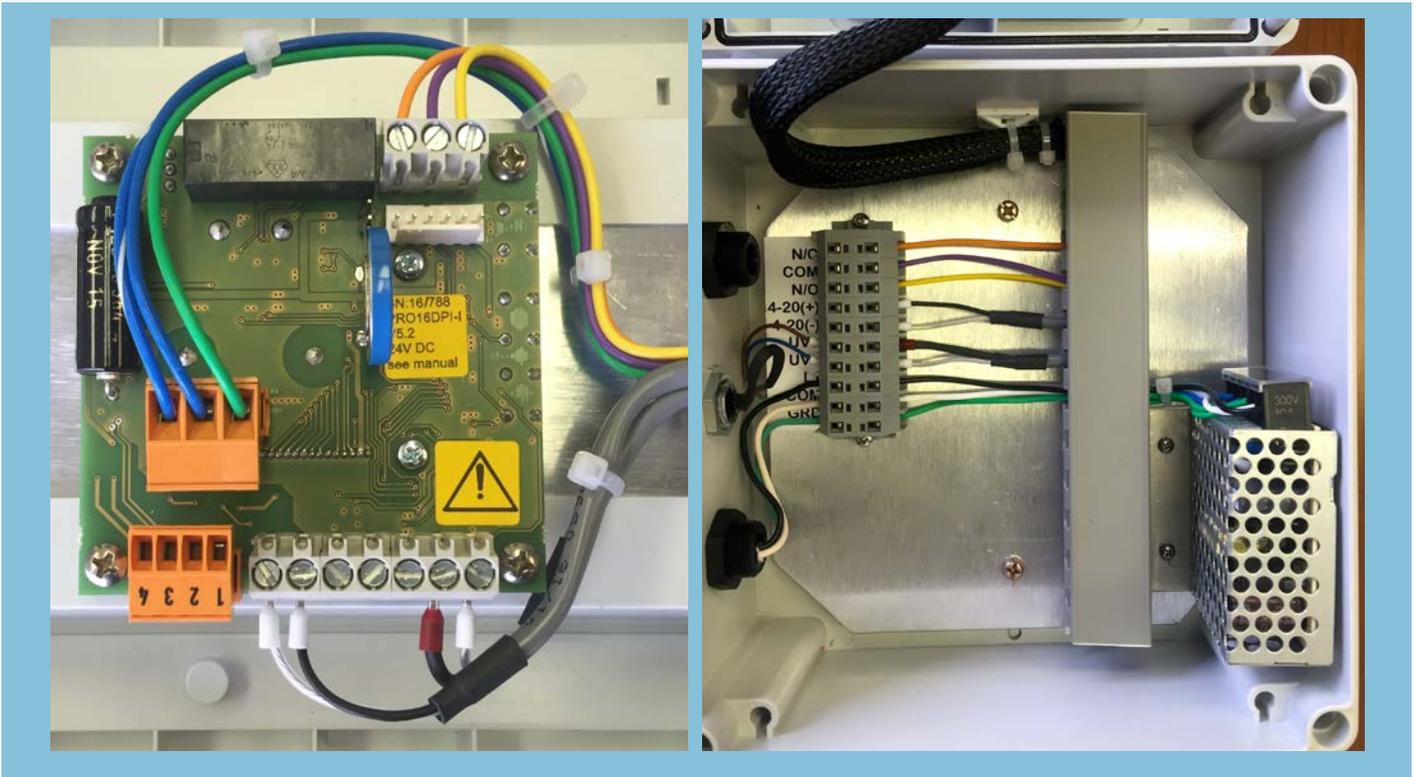
TECHNICAL DATA

There are many settings that can be programmed into your UVM-1624.

- Basic: language, date, time, lock code and display contrast.
- Operation: programmable start up delay, lamp life hours.
- Settings: sensor type, measurement unit, reference value, alarm setpoints (pre and main alarm)
- Statistics: Absolute hour counter, resettable user hour counter to track lamp hours, resettable on/off switch cycle counter

TECHNICAL

- Supply Voltage: 24V DC, 1 W (120 or 220 volt)
- Operating Temperature: max 45C (113F)
- Ambient Temperature: 0-40 C (32-104F)
- Running time of clock battery: 8 years
- Operating Status: LCD – 2 line alpha numeric
- Status LCD Colors: Green, Yellow, Red
- Languages available: English, Germany, French
- Outputs: 4-20mA, Normally open & closed dry contacts



Contact us at info@glascouv.com or visit glascouv.com for more information