



SENSORS &  
CONTROLLERS



ANALYZERS  
& SAMPLERS



LEVEL, FLOW  
& PRESSURE



WEB APP &  
DATA LOGGING



ACCESSORIES

# UV METER 254 DATASHEET

## PHOTOMETRIC ANALYSER WITHOUT REAGENTS



### MAIN FEATURES

- Dual compartment enclosure
- Low operating costs - no reagents
- Xenon lamp – UV light source
- Automatic calibration / zeroing / cleaning
- Wide measuring range
- Dual streams version
- Large color touchscreen
- Factory tested, ready for installation and operation

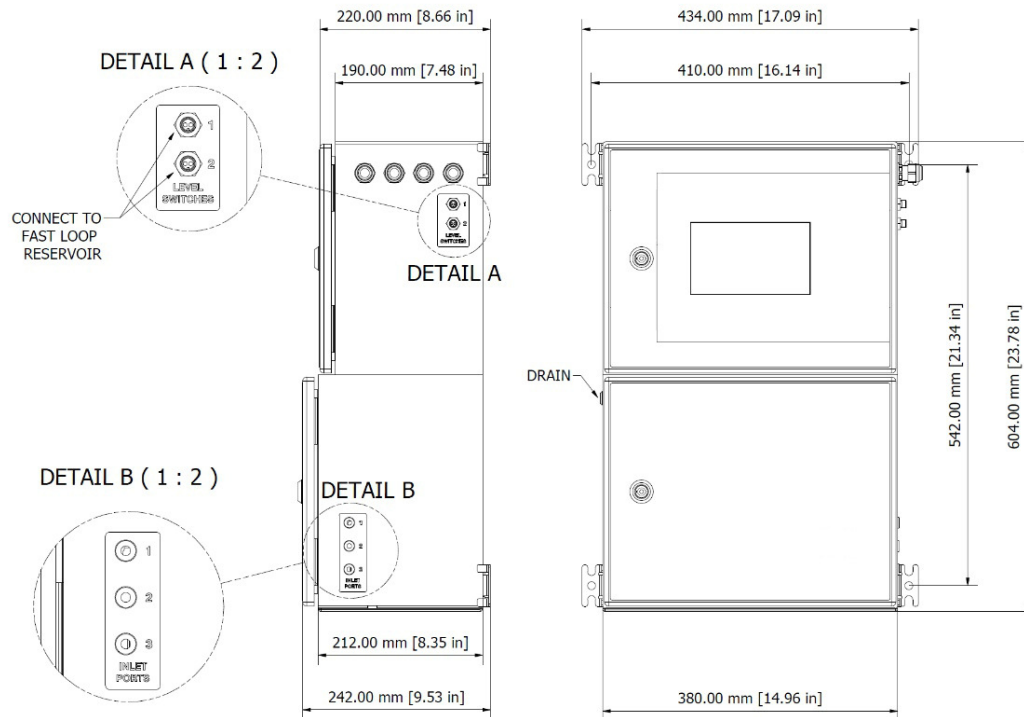
### APPLICATIONS

- Municipal waste water
- Industrial waste water
- Rivers and surface water
- Drinking water
- Monitoring process liquids
- Measurement of water quality for distribution or discharge

## TECHNICAL DATA

Measured parameters	COD UV, BOD UV, TOC UV SAC254, abs 254 nm
Measuring principle	Dual wavelength technique, 254 nm measuring and 590 nm as reference, with turbidity compensation
Measuring range	24 mm cell: 0.01 – 50 m-I equivalent to: COD (KHP) 0.15-100 mg/L , TOCeq 0.06-40 mg/L , BODeq 0.05-30 mg/L 16 mm cell: 0.01 - 100 m-I equivalent to COD (KHP) 0 - 200 mg/l 11 mm cell: 0.02 - 250 m-I equivalent to COD (KHP) 0 - 500 mg/l Up to 10,000 m-I equivalent to COD (KHP) 20,000 with internal dilution
Reproducibility	± 2.5 % on the absorbance value for samples having turbidity below 100 NTU
Analysis frequency	Freely programmable, batch near continuous analysis.
Cycle time	Less than 1 minute, including conditioning before analysis cycle and rinsing after measuring
Sample	Pressure: Atmospheric Temperature: 5 - 50 °C (41 - 122 °F) Flow Rate: 80 to 500 mL/min Connection: 6 mm (¼-in.)
Drain	Pressure-free, atmospheric drain Connection: 12 mm (½-in.)
Number of streams	Up to 2 with integrated switching valve
Outputs	2 x 4-20 mA outputs for measured data Modbus RTU RS485
Alarms	4 SPDT programmable potential free relays
Digital input	Remote start/stop, start extra cycle, skip idle time, emergency stop
Operative conditions	Temperature: 5 - 45 °C (41 - 113 °F) Humidity: 10 to 90% RH (indoor use only)
Installation	Wall mount (standard), bench top support or panel mount (options).
Protection grade	IP54
Power Supply	Voltage: 100 - 240 VAC 50/60 Hz standard or 24 VDC (option) Power consumption: max. 80 VA
Weight	Approx 20 Kg

## DIMENSIONS



Dimensions (L x H x P)	380x604x242mm
Total width	About 380mm
Total height (valves included)	About 604mm