

DESCRIPTION

This work will consist of the contractor furnishing to the Department a Photoionization Detector / (PID) meter in accordance with the contract documents and as directed by the Engineer. The Photoionization Detector / (PID) meter will become the property of the Department.

MATERIALS

The Photoionization Detector / (PID) meter will consist of the following minimum features and/or items:

- Extended range from 0 ppm up to 15,000 ppm
- Humidity compensation with built in humidity and temperature sensors
- 10.6eV lamp or higher with 3-year 10.6eV lamp or higher Warranty
- Automatic lamp type recognition
- Lamp and sensor auto cleaning technology
- Easy access to lamp and sensor without tools.
- Compatible calibration station
- Calibration kit that includes calibration gas and gas regulator
- Organic vapor zeroing kit
- Gas outlet port adapter
- Built in compounds correction factors for chemicals
- 3-second response time
- Graphic display for easy overview of gas type, correction factor and concentration
- Tough, flexible inlet probe
- External filter
- Porous metals filter
- Built-in sample pump that draws up to 100 feet (30m) horizontally or vertically
- Large key display that is operable with 3 layers of gloves
- Housing that can withstand use in harsh environments and that is of a waterproof design for easy cleaning and decontamination in water.
- 95 dB audible alarm or louder
- Bright flashing visual alarm
- Integrated light for view in dark conditions

ITEM 203.0804 02 - PHOTOIONIZATION DETECTOR (PID) METER

- Multi-language support
- Charging/download adapter/cradle
- Alkaline battery adapter
- Interchangeable Drop-In Lithium-ion and alkaline battery packs
- Charging cradle that can also be used as an external battery charger
- Field interchangeable battery pack capabilities without tools
- Protective removable rubber boot
- Lamp cleaning kit
- Wireless communication enabled
- Real-time wireless data transmission with built-in RF modem or Bluetooth
- License free, ISM band RF transmission with communication range up to 500 feet
- Remote software that simultaneously controls and displays readings for remote detectors
- Modem that provides GPS capability to track and display readings from remote detectors as well as 2 miles long distance transmission
- Capability to view real-time sensor data and alarm status at headquarters or command center
- Computer interface cable
- Data-logging monitor
- Data logging with up to 6 months of data at one-minute intervals
- User friendly screens including plot view/chart view
- All applicable software
- Operation CDROM
- Operation and maintenance manual
- Tool kit
- Carrying case
- Hard transport case with pre-cut foam

CONSTRUCTION DETAILS

The Contractor will provide the Photoionization Detector / (PID) meter to the EIC at the start of the project.

ITEM 203.0804 02 - PHOTOIONIZATION DETECTOR (PID) METER

METHOD OF MEASUREMENT

This work will be measured on a lump sum basis.

BASIS OF PAYMENT

The lump sum price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.