



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 27 — Miscellaneous

Proc Folder: 616115

Doc Description: Photoionization Detector (PID) Open-End

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2019-08-09	2019-08-23 13:30:00	CRFQ 0603 ADJ2000000006	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

National Supply Network, LLC
 4530 Bishop Lane, Suite 107
 Louisville, KY 40218
 502-694-0267

RECEIVED

2019 AUG 15 AM 9:52

WV PURCHASING
 DIVISION

JAMES CONLON
 President - CEO



National Supply Network, LLC
 Your Single Source Supplier

4530 Bishop Lane
 Suite 107
 Louisville, KY 40218

502-694-026
 888-539-306

Jim@nationalsupplynetwork.com

www.NationalSupplyNetwork.com

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
 (304) 558-8801
 stephanie.l.gale@wv.gov

Signature X

James Conlon

FEIN # 454709791

DATE 8-13-19

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Army National Guard, Environmental Programs Division to establish an open-end contract for the purchase of Handheld Photoionization Detector(s) used to measure organic and inorganic chemical species that can be ionized by a 10.6 eV lamp, at National Guard facilities across the state.

INVOICE TO		SHIP TO	
STATE FINANCE ADJUTANT GENERALS OFFICE 1703 COONSKIN DR		WVARNG ENV PROTECTION OFFICE ADJUTANT GENERALS OFFICE 1705 COONSKIN DR	
CHARLESTON	WV25311-1085	CHARLESTON	WV 25311
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Photoionization Detector (PID) Open-End	1.00000	EA	\$ 2918.00	\$ 2918.00

Comm Code	Manufacturer	Specification	Model #
32101519	<i>mPower Electronics</i>	<i>Handheld PID 0.01-15,000 ppm</i>	<i>MP182 NEOEXT P/N M011-0005-000</i>

Extended Description :

Photoionization Detector (PID) single piece, hand-held instrument for the measurement of organic and inorganic chemical species per the attached specifications.

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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Attached NEO PID Spec sheet.

Photo-ionization Detectors







The NEO is one of the most advanced handheld VOC (Volatile Organic Compound) monitors available for ppb (parts per billion) detection. VOCs include a variety of chemicals such as benzene, alcohols, fuels, paint thinners, industrial solvents and many others, which can have short and long-term adverse health effects. Measuring these compounds is essential for worker protection in industries like oil & gas, fire & hazmat, pharmaceuticals, paints & adhesives, and many others. In addition, VOC monitoring is useful chemical process control, detecting leaks and other releases to the environment, and in measuring indoor air quality. The NEO offers several models from the most sensitive 1 ppb to a high range up to 15,000 ppm for different applications, and a benzene-specific version (NEO BENZ). Novel designs of the Photo-ionization Detector (PID) and Ultraviolet (UV) lamp reduce interferences due to humidity. Options include real-time data monitoring with a built-in wireless modem using mPower Suite application software.

Features, Functions and Benefits

- Smaller and lighter weight than comparable PIDs
- Most stable ppb-level PID on the market
- Outstanding linearity over full measurement range
- Easy charging on laptop or other USB port
- USB Micro Charger; combination USB-m charging and communications cable
- Powerful battery (run time 24 hours)
- Bluetooth Low Energy (BLE) connectivity standard
- SM Wireless communication at longer distances and with no subscription fees
- Large backlight graphic display
- Lamp glow indicator
- Rugged, stainless-steel housing with rubber outer boot

NEO Specifications

Detector Specifications

Size	9.06 x 3.15 x 2.36 in (230 x 80 x 60 mm)
Weight	24.7 oz (700 g)
Sensor	Photo-ionization sensor with standard 10.6 eV lamp (9.8 eV lamp in MP186)*
Response Time	3 seconds (t ₉₀)
Accuracy	±3% (at calibration point)
Battery / Run Time	Rechargeable Lithium-Ion battery with 24 hours typical operation
Keypad	4 Operation keys
Sampling Pump	Built-in pump with 3 settings from 300 to 430 cc/min Sample from up to 100 ft (30 m)
Display	128 x 128 graphical LCD, 1.77 x 1.73 in (45 x 44 mm), with LED backlight for enhanced display readability
Direct Readout	Real-time reading of gas concentration (ppb, ppm, mg/m ³ , µg/m ³), PID measurement gas and correction factor, lamp on/off, Man-Down alarm on/ off, battery status, pump status, datalogging on/off, wireless on/off, temperature and time
Alarms	Audible (90 dB @ 30 cm), visual (flashing bright red LEDs), and on-screen indication of alarm conditions plus wireless remote alarm notification <ul style="list-style-type: none"> • High, Low, TWA and STEL alarms • Over range alarm, battery low alarm • Man-Down alarm with pre-alarm and real-time remote wireless notification
EMI/RFI	Highly resistant to EMI/RFI Compliant with EMC Directive 89/336/EEC
IP Rating	IP-66/67
Datalogging Capacity	Standard 12 months at one-minute intervals Storage interval adjustable from 1 to 3,600 seconds
Calibration	Two/three-point calibration
Low Flow Alarm	Auto pump shutoff at low-flow condition
Charging and Communication	Charging, data download, instrument setup and firm-ware upgrades on PC or laptop via Micro USB Wireless data and alarm status transmission via built-in RF modem
Wireless Range	1,000 ft (300 m) line of sight
Correction Factors	Integrated Correction Factor list of more than 200 compounds
Safety Certifications	 Class I, Div 1, Group ABCD Class II, Div 1, Group EFG Class III, Div 1  T4, -20°C ≤ T _{amb} ≤ +50°C Ex ia IIC T4 Ga  II 1G Ex ia IIC T4 Ga (pending)  European Conformity
Temperature	-4° to 113°F (-20° to 50°C)
Humidity	0% to 95% Relative humidity (non-condensing)
Attachments	Durable rubber boot, color coded for different models; Tube holder for MP186
Warranty	2 Years including lamp and sensor (1-year for 9.8 eV lamp)

Model Options

Model Number	VOC Range (ppm)	Part No.
MP181 (NEO PPM)	0.01-5,000	M011-0004-000
MP182 (NEO EXT)	0.01-15,000	M011-0005-000
MP184 (NEO PPB)	0.001-15,000	M011-0006-000
MP185 (NEO SEMI) (w/o MicroUSB)	0.001-15,000	Special Order
MP186 (NEO BENZ)* (w/9.8 eV Lamp & Tube Holder)	0.05-200 Benzene	M011-0013-000
	0.005-10,000 VOC	

* 9.8 eV lamp detects fewer VOCs than does 10.6 eV lamp

Distributed By:

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 4530 Bishop Ln, Ste 107
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* Due to ongoing research and product improvement, specifications are subject to change without notice *