



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Welcome, Christopher W Seckman

Solicitation Response(SR) Dept: 0506 ID: ESR01282600000004299 Ver.: 1 Function: New Phase: Final

Procurement | Budgeting | Accounts Receivable | Accounts Payable

Modified by batch, 01/28/2026

Header 3

List View

General Information **Procurement Folder:** 1847433**Procurement Type:** Central Purchase Order**Vendor ID:** VS0000045819 **Legal Name:** SWIPE RESOURCES LLC**Alias/DBA:** HAMZA MASUD**Total Bid:** \$71,880.00**Response Date:** 01/28/2026 **Response Time:** 12:06**Responded By User ID:** swiperesources **First Name:** Hamza**Last Name:** Masud**Email:** hamza.masud@swiperesou**Phone:** 7038706182**SO Doc Code:** CRFQ**SO Dept:** 0506**SO Doc ID:** EHS2600000001**Published Date:** 1/21/26**Close Date:** 1/28/26**Close Time:** 13:30**Status:** Closed**Solicitation Description:** X-RAY INSPECTION METERS **Total of Header Attachments:** 3**Total of All Attachments:** 3



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

**State of West Virginia
Solicitation Response**

Proc Folder: 1847433

Solicitation Description: X-RAY INSPECTION METERS

Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2026-01-28 13:30	SR 0506 ESR0128260000004299	1

VENDOR

VS0000045819

SWIPE RESOURCES LLC

Solicitation Number: CRFQ 0506 EHS2600000001

Total Bid: 71880

Response Date: 2026-01-28

Response Time: 12:06:07

Comments: We are providing substitute. See attached spec sheet.

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead

(304) 558-2402

crystal.g.hustead@wv.gov

Vendor
Signature X

FEIN#

DATE

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	X-RAY INSPECTION METERS	6.00000	EA	11980.000000	71880.00

Comm Code	Manufacturer	Specification	Model #
42203900			

Commodity Line Comments: We quoted X2 solo is comparable to the Maco. I have attached product information, and the current lead time is 12 to 15 business days once PO is received.
We are offering substitute as it is meeting or exceeding the specs.

Extended Description:

X-RAY INSPECTION METERS



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Purchasing Division
2019 Washington Street East
Post Office Box 50130
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State of West Virginia
Centralized Request for Quote
Laboratory

Proc Folder:	1847433			Reason for Modification:
Doc Description:	X-RAY INSPECTION METERS			ADDENDUM 1 TO PROVIDE ANSWERS TO VENDOR QUESTIONS
Proc Type:	Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No		Version
2026-01-21	2026-01-28 13:30	CRFQ	0506	EHS2600000001 2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: VS0000045819

Vendor Name : Swipe Resources LLC

Address : 7491 Flag Point Ct.

Street :

City : Manassas

State : VA

Country : USA

Zip : 20109

Principal Contact : Hamza Masud

Vendor Contact Phone: (703) 870-6182

Extension:

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead

(304) 558-2402

crystal.g.hustead@wv.gov

Vendor
Signature X

FEIN# 85-1143501

DATE 1/28/2026

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ADDITIONAL INFORMATION

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF HEALTH, IS SOLICITING BIDS TO ESTABLISH A CONTRACT FOR THE ONE-TIME PURCHASE OF X-RAY INSPECTION METERS PER THE ATTACHED DOCUMENTS.

QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO CRYSTAL.G.HUSTEAD@WV.GOV PRIOR TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS

INVOICE TO	SHIP TO
HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH ENVIRONMENTAL HEALTH SERVICES 350 CAPITOL ST, RM 313 CHARLESTON US	HEALTH AND HUMAN RESOURCES BPH - ENVIRONMENTAL HEALTH SERVICES 350 CAPITOL ST, RM 313 CHARLESTON WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	X-RAY INSPECTION METERS	6.00000	EA	\$11,980.00	\$71,880.00

Comm Code	Manufacturer	Specification	Model #
42203900	Ray Safe	1506042,RAYSAFE X2 SOLO R/F	1506042,RAYSAFE X2 SOLO R/F

Extended Description:
X-RAY INSPECTION METERS

SCHEDULE OF EVENTS

Line	Event	Event Date
1	VENDOR QUESTION DEADLINE	2026-01-16

SOLICITATION NUMBER: CRFQ EHS2600000001
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To provide answers to vendor questions

No other changes

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

Q1: If the attached is signed, will it satisfy the bid formatting requirements?

A1: Emailed responses are not acceptable, please review the “Instructions to Vendors Submitting Bids” Section 6 Bid Submission for appropriate solicitation response methods

Q2: If the bid is submitted on wvOASIS, is there a digital signature or is a document uploaded?

A2: If submitting a bid electronically through WVOasis, vendor must upload all documents, including any documents that require a signature. Please review “Instructions to Vendors Submitting Bids” Section 6.

Q3: Section 6 “Delivery and Return” states that once the PO is awarded, the vendor must ship immediately. That is not possible as our lead time is 4-6 weeks from the date of PO receipt.

A3: The program would agree to a timetable of 4-6 weeks for shipping.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: EHS2600000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Swipe Resources LLC

Company

H. Mayvo

Authorized Signature

1/28/2026

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

RaySafe X2 Solo

Specifications



All you need for your modalities

RaySafe X2 Solo is a new product line from RaySafe that covers the measurement needs of your specific X-ray modalities. It's based on the same technology as RaySafe X2, highly esteemed for its user-friendliness and performance, but instead of multi-modality capability, each model meets specific needs. Within your X-ray modalities the X2 Solo will meet all your QA or service measurement needs.

RaySafe X2 Solo comes in two different models; RaySafe X2 Solo R/F and RaySafe X2 Solo DENT, both with or without mAs. The DENT version also includes the X2 Panoramic Holder for easy positioning of the sensor on panoramic X-ray machines.

X2 GENERAL

EMC	According to IEC 61326-1
SAFETY	According to IEC 61010-1
X-RAY METERS STANDARD	Complies with IEC 61674
EXPOSURES NEEDED	One
USB CABLES	2 m (6.6 ft), 5 m (16.4 ft) and 5 m active extender
SIZE BASE UNIT	34 x 85 x 154 mm (1.3 x 3.3 x 6.1 in)
WEIGHT BASE UNIT	521 g (18.4 oz)
OPERATING TEMPERATURE	15 – 35 °C (59 – 95 °F)
STORAGE TEMPERATURE	-25 – 70 °C (-13 – 158 °F)
POWER SOURCE	Rechargeable Li ion battery
BATTERY TIME	~10 hours intensive usage
BATTERY TESTED	According to UN 38.3
DISPLAY	4.3" LCD with capacitive touch
MEMORY	~10000 latest exposures
SOFTWARE	X2 View for data handling and analysis. Also exports data to Microsoft Excel.

X2 mAs

mAs	
RANGE	0.001 – 9999 mAs
RESOLUTION	0.001 mAs
UNCERTAINTY	1 %
mA	
RANGE (PEAK)	0.1 – 1500 mA
RESOLUTION	0.01 mA
UNCERTAINTY	1 %
TIME	
RANGE	1 ms – 999 s
RESOLUTION	0.1 ms
BANDWIDTH	1 kHz
UNCERTAINTY	0.5 %
PULSES	
RANGE	1 – 9999 pulses
RESOLUTION	1 pulse
PULSE RATE	
RANGE	0.1 – 200 pulses/s
RESOLUTION	0.1 pulse/s
mAs/PULSE	
RANGE	0.001 – 9999 mAs
RESOLUTION	0.001 mAs
UNCERTAINTY	1 %
WAVEFORM	
RESOLUTION	125 µs*
BANDWIDTH	1 kHz

* automatically reduced for exposures longer than 3 s

UNFORS RAYSAFE UNCERTAINTY DEFINITION

The expanded uncertainty is stated as the combined uncertainty of measurement multiplied by the coverage factor $k=2$, which assuming a normal distribution has a coverage probability of 95 % (complies with GUM by ISO (1995, ISBN 92-67-10188-9)).

Instrument specifications are subject to purchased configuration.
All specifications may change without notice.

X2 R/F SENSOR

WEIGHT	42 g (1.5 oz)	TOTAL FILTRATION (OPTIONAL)	1.5 – 35 mm Al
SIZE	14 x 22 x 79 mm (0.5 x 0.9 x 3.1 in)	MINIMUM DOSE	50 µGy (6 mR)
ACTIVE COMPENSATION			
Beam quality independent for the following ranges:			
DOSE/DOSE RATE	40 – 150 kVp, 1 – 14 mm Al HVL	MINIMUM DOSE RATE (PEAK)	10 µGy/s (70 mR/min)
kVp	40 – 150 kVp, up to 1 mm Cu	UNCERTAINTY	10 % or 0.3 mm Al
TF	60 – 120 kVp, up to 1 mm Cu	TIME	
DOSE			
RANGE	1 nGy – 9999 Gy (0.1 µR – 9999 R)	RANGE	1 ms – 999 s
UNCERTAINTY	5 % or 5 nGy (0.5 µR)	RESOLUTION	0.1 ms
DOSE RATE			
RANGE	1 nGy/s – 500 mGy/s (5 µR/min – 3400 R/min)	BANDWIDTH	4 Hz – 4 kHz*
RESOLUTION	1 nGy/s (5 µR/min)	UNCERTAINTY	0.5 %
TRIG LEVEL	50 nGy/s (340 µR/min)	* automatically adjusted depending on signal level	
UNCERTAINTY	5 % or 10 nGy/s (70 µR/min) x duty cycle	PULSES	
kVp		RANGE	1 – 9999 pulses
RANGE	40 – 150 kVp	MINIMUM DOSE RATE (PEAK)	0.5 µGy/s (3.5 mR/min)
MINIMUM DOSE	50 µGy (6 mR)	PULSE RATE	
MINIMUM DOSE RATE (PEAK)	10 µGy/s (70 mR/min)	RANGE	0.1 – 200 pulses/s
UNCERTAINTY	2 %	MINIMUM DOSE RATE (PEAK)	0.5 µGy/s (3.5 mR/min)
HVL (OPTIONAL)			
RANGE	1 – 14 mm Al	DOSE/PULSE	
MINIMUM DOSE	1 µGy (120 µR)	RANGE	1 nGy/pulse – 999 Gy/pulse (0.1 µR/pulse – 999 R/pulse)
MINIMUM DOSE RATE (PEAK)	0.5 µGy/s (3.5 mR/min) at > 70 kV 2.5 µGy/s (17 mR/min) at 50 kV	MINIMUM DOSE RATE (PEAK)	0.5 µGy/s (3.5 mR/min)
UNCERTAINTY	10 %	WAVEFORMS	
		RESOLUTION	62.5 µs*
		BANDWIDTH kV	0.1 – 0.4 kHz**
		BANDWIDTH DOSE RATE	4 Hz – 4 kHz**
		* automatically reduced for exposures longer than 1.5 s	
		** automatically adjusted depending on signal level	

X2 DENT SENSOR

WEIGHT	42 g (1.5 oz)	TOTAL FILTRATION (OPTIONAL)	1.5 – 35 mm Al
SIZE	14 x 22 x 79 mm (0.5 x 0.9 x 3.1 in)	MINIMUM DOSE	50 µGy (6 mR)
ACTIVE COMPENSATION			
Beam quality independent for the following ranges:			
DOSE/DOSE RATE	40 – 130 kVp, 1 – 14 mm Al HVL	MINIMUM DOSE RATE (PEAK)	10 µGy/s (70 mR/min)
kVp	40 – 130 kVp, up to 1 mm Cu	UNCERTAINTY	10 % or 0.3 mm Al
TF	60 – 120 kVp, up to 1 mm Cu	TIME	
DOSE			
RANGE	1 nGy – 9999 Gy (0.1 µR – 9999 R)	RANGE	1 ms – 999 s
UNCERTAINTY	5 % or 5 nGy (0.5 µR)	RESOLUTION	0.1 ms
DOSE RATE			
RANGE	1 µGy/s – 500 mGy/s (5 mR/min – 3400 R/min)	BANDWIDTH	4 Hz – 4 kHz*
RESOLUTION	1 nGy/s (5 µR/min)	UNCERTAINTY	0.5 %
TRIG LEVEL	1 µGy/s (7 mR/min)	* automatically adjusted depending on signal level	
UNCERTAINTY	5 %	PULSES	
kVp			
RANGE	40 – 130 kVp	RANGE	1 – 9999 pulses
MINIMUM DOSE	50 µGy (6 mR)	PULSE RATE	
MINIMUM DOSE RATE (PEAK)	10 µGy/s (70 mR/min)	RANGE	0.1 – 200 pulses/s
UNCERTAINTY	2 %	DOSE/PULSE	
HVL (OPTIONAL)			
RANGE	1 – 14 mm Al	RANGE	1 nGy/pulse – 999 Gy/pulse (0.1 µR/pulse – 999 R/pulse)
MINIMUM DOSE	1 µGy (120 µR)	WAVEFORMS	
MINIMUM DOSE RATE (PEAK)	1 µGy/s (7 mR/min) at > 70 kV 2.5 µGy/s (17 mR/min) at 50 kV	RESOLUTION	62.5 µs*
UNCERTAINTY	10 %	BANDWIDTH kV	0.1 – 0.4 kHz**
		BANDWIDTH DOSE RATE	4 Hz – 4 kHz**
		* automatically reduced for exposures longer than 1.5 s	
		** automatically adjusted depending on signal level	

Unfors RaySafe offers comprehensive solutions for the X-ray room
to measure the performance of X-ray equipment and
to monitor medical staff dose in real-time.

RaySafe helps you avoid unnecessary radiation.

www.raysafe.com



RaySafe X2 Solo

Designed for specific needs



 RaySafe™



All you need for your modalities

RaySafe X2 Solo is a new product line from RaySafe that covers the measurement needs of your specific X-ray modalities. It's based on the same technology as RaySafe X2, highly esteemed for its user-friendliness and performance, but instead of multi-modality capability, each model meets specific needs. Within your X-ray modalities the X2 Solo will meet all your QA or service measurement needs.

RaySafe X2 Solo users will enjoy a large touch screen showing all parameters simultaneously, sensors ready for measurements without special settings or modes and a base unit storing all readings and showing full waveforms. Plus, much more. It's true ease-of-use, which saves valuable time and minimizes the risk of making faulty measurements. Or as RaySafe X2 customers say: "It just works".

RaySafe X2 Solo



RAYSAFE X2 SOLO R/F

– for all radiography and fluoroscopy measurements

RAYSAFE X2 SOLO DENT

– tailor made for dental X-ray



Less effort. More insight.

RaySafe X2 Solo removes unnecessary steps in taking a measurement – like positioning the sensor, choosing a setting, or interpreting results. The R/F and DENT sensors are both orientation independent so the only thing you need to do is to place the sensor in the X-ray beam and turn on the instrument. The rest is automatic – no menus or special settings needed.

RaySafe X2 Technology

RaySafe X2 Solo combines state-of-the-art sensor technology with an intuitive and proven user interface, making it the ultimate in user friendliness. Each X2 Solo includes a specific sensor to cover your needs.

FEATURES OF THE X2 SOLO FAMILY INCLUDE:

LARGE TOUCH SCREEN display for simple operation and a great overview of all measured parameters.

FULL WAVEFORMS directly in the base unit for quick analysis of measurements.

NO SPECIAL SETTINGS to handle different types of X-ray machines. Just connect and measure.

STACKED SENSORS for easy positioning and minimum radiological footprint.

WIDE DYNAMIC RANGE – no special modes for high sensitivity measurements.

BUILT-IN MEMORY – up to 10 000 measurements with waveforms are stored in the base unit.



Finding your way

The RaySafe X2 Solo touch screen interface allows the user to view data in a comprehensive yet flexible way. The home screen displays every available parameter from the attached sensor. To zoom in on any parameter - just tap it for a larger view. Use a quick swipe to display waveforms and pinch to zoom into details. Navigation is made simple by using the common Menu, Home and Back keys.

All exposures are saved in the base unit. In each session, you can swipe to quickly go back to previous exposures for reference or comparisons. A full session of measurements can be uploaded to the complimentary X2 View software at a later stage for more manipulation.



HOME SCREEN

Measurement of 1 – 12 parameters simultaneously with waveform overlay.



SINGLE VIEW

Large view of selected parameter.



WAVEFORM

Overview and simple analysis of kVp, dose rate or mA.



ANALYZE MODE

Zoom-in on waveforms to determine, for example, peak dose rate of a pulse.

RaySafe X2 Solo R/F

RaySafe X2 Solo R/F covers all your radiography and fluoroscopy measurements needs:

- For conventional X-ray, interventional radiology, surgery, CR, DR, dental (Intraoral, Panoramic, CBCT) and CT (kVp, HVL and time only).
- Measures dose, dose rate, kVp, exposure time, pulses, pulse rate and dose/pulse.
- Options include HVL & Total Filtration as well invasive mAs measurements.
- One dynamic range covering low dose rates as needed in fluoroscopy as well as a kV range up to 150 kV for CT.

With its minimal setup time, acquiring your first exposure takes less than one minute. The intuitive user interface and built-in intelligence means that the user will be able to focus on interpreting the measured data instead of focusing on how to obtain data. Ease-of-use saves time, but most importantly, it minimizes the risk of costly errors that potentially could lead to re-visits to labs already checked.

Options

HVL & TOTAL FILTRATION

With this option, RaySafe X2 Solo R/F will measure Half Value Layer (HVL) and Total Filtration in a single exposure avoiding the need of multiple dose measurements with different filters. RaySafe X2 Solo utilizes a stacked sensor with diodes having different filtration, and hence accurately calculates HVL. With the HVL & Total Filtration option installed, these parameters will be measured simultaneously as the other parameters and will be displayed on the main screen after each exposure.

mAs

RaySafe X2 Solo R/F is available with or without mAs. The design allows to invasively measure tube current even for pulsed measurements.

RaySafe X2 Solo DENT

The RaySafe X2 Solo DENT measures all X-ray parameters for dental applications:

- Supports all types of dental machines; Cone Beam CT, Panoramic and Intraoral.
- Options include HVL & Total Filtration as well as invasive mAs measurements.
- Measures dose, dose, rate, kVp, exposure time, pulses, pulse rate and dose/pulse in the kV and dose rate ranges needed for dental applications.



X2 PANORAMIC HOLDER

Panoramic measurements

RaySafe X2 Solo DENT includes the brand new X2 Panoramic Holder (also available as a separate accessory for other X2 models). Correctly positioning the sensor in the narrow X-ray field of a Panoramic machine is now easier than ever:

1. Attach the holder to the X-ray machine.
2. Make an exposure with gafchromic film (included) to reveal the position of the X-ray beam.
3. Use the adjustment lever to align the sensor with the X-ray beam.

The markings on the holder makes it possible to go back to a previous position if needed.

SELECTED OPTIONAL ACCESSORIES



RAYSAFE P FLUORO
PHANTOM



X2 FLEXI STAND



X2 BLUETOOTH
ADAPTER



X2 SUCTION CUP
HOLDER

Unfors RaySafe offers comprehensive solutions for the X-ray room to measure the performance of X-ray equipment and to monitor medical staff dose in real-time.

RaySafe helps you avoid unnecessary radiation.