

MEMORANDUM

AGENDA ITEM

360

TO: Judge Robert Hebert B14-051 (1)
County Judge

FROM: Debbie Kaminski
Assistant Purchasing Agent

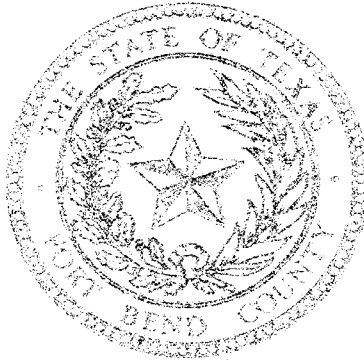
SUBJECT: Please sign and date the attached contract(s) approved in
Commissioners Court on May 6, 2014. Thank you.

DATE: May 8, 2014

→ **RETURN TO:** Norma Weaver
5-13-14 Administrative Assistant
Purchasing Department
301 Jackson, Suite 201
Richmond, Texas 77469

Owens Scientific

**Fort Bend County, Texas
Invitation for Bid**



**Radiation Detection Equipment
for Fort Bend County
BID 14-051**

SUBMIT BIDS TO:

Fort Bend County
Purchasing Department
Travis Annex
301 Jackson, Suite 201
Richmond, TX 77469

****NOTE:**

All correspondence must include the term
"Purchasing Department" in address to assist in
proper delivery

SUBMIT NO LATER THAN:

Thursday, April 17, 2014
1:30 PM (Central)

MARK ENVELOPE:

Bid 14-051
Radiation Equipment

***ALL BIDS MUST BE RECEIVED IN COUNTY PURCHASING OFFICE
BEFORE RECEIVING DATE AND TIME SPECIFIED.
BIDS RECEIVED WILL THEN BE OPENED AND PUBLICLY READ.
BIDS RECEIVED AFTER THE SPECIFIED TIME WILL BE RETURNED
UNOPENED.***

Results will not be given by phone.
Results will be provided to bidders in writing
after Commissioners Court award.

Fort Bend County is always conscious
and extremely appreciative of your effort
in the preparation of this bid. Requests for
information must be in writing and directed
to:
Debbie Kaminski, CPPB
Assistant County Purchasing Agent
Debbie.Kaminski@fortbendcountytexas.gov

Prepared: 03/21/14
Issued: 04/02/14

Fort Bend County Specification Download Acknowledgment



**Invitation for Bid
Radiation Detection Equipment
BID 14-051**

VENDORS MUST IMMEDIATELY RETURN THIS FORM BY FAX TO 281-341-8645

Vendor Responsibilities:

- Vendors are responsible to download and complete any addendums.
(Addendums will be posted on the Fort Bend County Website no later than 48 hours prior to Bid Opening)
- Vendors will submit responses in accordance with requirements stated on cover of document.
- Vendors may not submit responses via email or fax.

OWENS SCIENTIFIC, INC.

Legal Name of Contracting Company

BETTY HAIL

Contact Person

23230 SANDSAGE, KATY, TX 77494

Complete Mailing Address

281-394-2311

Telephone Number

281-394-2522

Facsimile Number

SALES@OWENSCIENTIFIC.COM

Email Address

Betty Hail

Signature

4-9-14


Date

1.0 GENERAL REQUIREMENTS:

- 1.1 Read this entire document carefully. Follow all instructions. You are responsible for fulfilling all requirements and specifications. Be sure you understand them.
- 1.2 General Requirements apply to all advertised bids, however, these may be superseded, whole or in part, by the scope, special requirements, specifications, special specifications or other data contained herein.
- 1.3 Governing Law: Bidder is advised that these requirements shall be fully governed by the laws of the State of Texas and that Fort Bend County may request and rely on advice, decisions and opinions of the Attorney General of Texas and the County Attorney concerning any portion of these requirements.
- 1.4 Bid Form Completion: Fill out, sign, and return to the Fort Bend County Purchasing Department ONE (1) complete bid form. An authorized representative of the bidder must sign the Contract Sheet. The contract will be binding only when signed by the County Judge, Fort Bend County and a purchase order authorizing the item(s) desired has been issued. The use of liquid paper is not acceptable and may result in the disqualification of bid. If an error is made, vendor must draw a line through error and initial each change.
- 1.5 Bid Returns: Bidders must return all completed bids to the Fort Bend County Purchasing Department at 301 Jackson, Suite 201, Richmond, Texas no later than 1:30 P.M. on the date specified. Late bids will not be accepted. Bids must be submitted in a sealed envelope, addressed as follows: Fort Bend County Purchasing Agent, Travis Annex, 301 Jackson, Suite 201, Richmond, Texas 77469.
- 1.6 Governing Forms: In the event of any conflict between the terms and provisions of these requirements and the specifications, the specifications shall govern. In the event of any conflict of interpretation of any part of this overall document, Fort Bend County's interpretation shall govern.
- 1.7 Addendums: When specifications are revised, the Fort Bend County Purchasing Department will issue an addendum addressing the nature of the change. Bidders must sign and include it in the returned bid package.

Initials of Bidder: BH

- 1.8 **Hold Harmless Agreement:** Contractor shall indemnify and hold Fort Bend County harmless from all claims for personal injury, death and/or property damage arising from any cause whatsoever, resulting directly or indirectly from contractor's performance. Contractor shall procure and maintain, with respect to the subject matter of this bid, appropriate insurance coverage including, as a minimum, public liability and property damage with adequate limits to cover contractor's liability as may arise directly or indirectly from work performed under terms of this bid. Certification of such coverage must be provided to the County upon request.
- 1.9 **Waiver of Subrogation:** Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Fort Bend County as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.
- 1.10 **Severability:** If any section, subsection, paragraph, sentence, clause, phrase or word of these requirements or the specifications shall be held invalid, such holding shall not affect the remaining portions of these requirements and the specifications and it is hereby declared that such remaining portions would have been included in these requirements and the specifications as though the invalid portion had been omitted.
- 1.11 **Bonds:** If this bid requires submission of bid guarantee and performance bond, there will be a separate page explaining those requirements. Bids submitted without the required bid bond or cashier's checks are not acceptable.
- 1.12 **Taxes:** Fort Bend County is exempt from all federal excise, state and local taxes unless otherwise stated in this document. Fort Bend County claims exemption from all sales and/or use taxes under Chapter 20, Title 122a, Vernon's Texas Civil Statutes, as amended. Texas Limited Sales Tax Exemption Certificates will be furnished upon written request to the Fort Bend County Purchasing Department.
- 1.13 **Fiscal Funding:** A multi-year lease or lease/purchase arrangement (if requested by the specifications), or any contract continuing as a result of an extension option, must include fiscal funding out. If, for any reason, funds are not appropriated to continue the lease or contract, said lease or contract shall become null and void. After expiration of the lease, leased equipment shall be removed by the bidder from the using department without penalty of any kind or form to Fort Bend County. All charges and physical activity related to delivery, installation, removal and redelivery shall be the responsibility of the bidder.

Initials of Bidder: 


- 1.14 Pricing: Prices for all goods and/or services shall be firm for the duration of this contract and shall be stated on the bid sheet. Prices shall be all inclusive. No price changes, additions, or subsequent qualifications will be honored during the course of the contract. All prices must be written in ink or typewritten. Pricing on all transportation, freight, and other charges are to be prepaid by the contractor and included in the bid prices. If there are any additional charges of any kind, other than those mentioned above, specified or unspecified, bidder MUST indicate the items required and attendant costs or forfeit the right to payment for such items.
- 1.15 Silence of Specifications: The apparent silence of specifications as to any detail, or the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practice is to prevail and that only material and workmanship of the finest quality are to be used. All interpretations of specifications shall be made on the basis of this statement. The items furnished under this contract shall be new, unused of the latest product in production to commercial trade and shall be of the highest quality as to materials used and workmanship. Manufacturer furnishing these items shall be experienced in design and construction of such items and shall be an established supplier of the item bid.
- 1.16 Supplemental Materials: Bidders are responsible for including all pertinent product data in the returned bid package. Literature, brochures, data sheets, specification information, completed forms requested as part of the bid package and any other facts which may affect the evaluation and subsequent contract award should be included. Materials such as legal documents and contractual agreements, which the bidder wishes to include as a condition of the bid, must also be in the returned bid package. Failure to include all necessary and proper supplemental materials may be cause to reject the entire bid.
- 1.17 Material Safety Data Sheets: Under the "Hazardous Communication Act", commonly known as the "Texas Right To Know Act", a bidder must provide to County and using departments, with each delivery, material safety data sheets, which are, applicable to hazardous substances defined in the Act. Bidders are obligated to maintain a current, updated file in the Fort Bend County Purchasing Department. Failure of the bidder to maintain such a file will be cause to reject any bid applying thereto.
- 1.18 Name Brands: Specifications may reference name brands and model numbers. It is not the intent of Fort Bend County to restrict these bids in such cases, but to establish a desired quality level of merchandise or to meet a pre-established standard due to like existing items. Bidders may offer items of equal stature and the burden of proof of such stature rests with them. Fort Bend County shall act as sole judge in determining equality and acceptability of products offered.

Initials of Bidder: 


- 1.19 Color Selection: Determination of colors of materials is a right reserved by the using department unless otherwise specified in the bid. Unspecified colors shall be quoted as standard colors, not colors, which require up charges or special handling. Unspecified fabrics or vinyl should be construed as medium grade. If bidder fails to get color/material approvals prior to delivery of merchandise, the using department may refuse to accept the items and demand correct shipment without penalty, subject to other legal remedies.
- 1.20 Evaluation: Evaluation shall be used as a determinant as to which bid items or services are the most efficient and/or most economical for the County. It shall be based on all factors, which have a bearing on price and performance of the items in the user environment. All bids are subject to tabulation by the Fort Bend County Purchasing Department and recommendation to Fort Bend County Commissioners Court. Compliance with all bid requirements, delivery and needs of the using department are considerations in evaluating bids. Pricing is NOT the only criteria for making a recommendation. The Fort Bend County Purchasing Department reserves the right to contact any bidder, at any time, to clarify, verify or request information with regard to any bid.
- 1.21 Inspections: Fort Bend County reserves the right to inspect any item(s) or service location for compliance with specifications and requirements and needs of the using department. If a bidder cannot furnish a sample of a bid item, where applicable, for review, or fails to satisfactorily show an ability to perform, the County can reject the bid as inadequate.
- 1.22 Testing: Fort Bend County reserves the right to test equipment, supplies, material and goods bid for quality, compliance with specifications and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the bid is subject to rejection.
- 1.23 Disqualification of Bidder: Upon signing this bid document, a bidder offering to sell supplies, materials, services, or equipment to Fort Bend County certifies that the bidder has not violated the antitrust laws of this state codified in section 15.01, et seq., Business & Commerce Code, or the federal antitrust laws, and has not communicated directly or indirectly the bid made to any competitor or any other person engaged in such line of business. Any or all bids may be rejected if the County believes that collusion exists among the bidders. Bids in which the prices are obviously unbalanced may be rejected. If multiple bids are submitted by a bidder and after the bids are opened, one of the bids is withdrawn, the result will be that all of the bids submitted by that bidder will be withdrawn; however, nothing herein prohibits a vendor from submitting multiple bids for different products or services.

Initials of Bidder: 

- 1.24 Awards: Fort Bend County reserves the right to award this contract on the basis of lowest and best bid in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one bidder, to reject any or all bids. In the event the lowest dollar bidder meeting specifications is not awarded a contract, the bidder may appear before the Commissioners Court and present evidence concerning his responsibility. An award is final only upon formal execution by the Fort Bend County Commissioners Court or the Fort Bend County Purchasing Agent. Fort Bend County reserves the right to withdraw any award until execution by the proper authority.
- 1.25 Assignment: The successful vendor may not assign, sell or otherwise transfer this contract without written permission of Fort Bend County Commissioners Court.
- 1.26 Term Contracts: If the contract is intended to cover a specific time period, said time will be given in the specifications under scope.
- 1.27 Maintenance: Maintenance required for equipment bid should be available in Fort Bend County by a manufacturer authorized maintenance facility. Costs for this service shall be shown on the bid sheet as requested or on a separate sheet, as required. If Fort Bend County opts to include maintenance, it shall be so stated in the purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.
- 1.28 Contract Obligation: Fort Bend County Commissioners Court must award the contract and the County Judge or other person authorized by the Fort Bend County Commissioners Court must sign the contract before it becomes binding on Fort Bend County or the bidders. Department heads are not authorized to sign agreements for Fort Bend County. Binding agreements shall remain in effect until all products and/or services covered by this purchase have been satisfactorily delivered and accepted.
- 1.29 Title Transfer: Title and Risk of Loss of goods shall not pass to Fort Bend County until Fort Bend County actually receives and takes possession of the goods at the point or points of delivery. Receiving times may vary with the using department. Generally, deliveries may be made between 8:30 a.m. and 4:00 p.m., Monday through Friday. Bidders are advised to consult the using department for instructions. The place of delivery shall be shown under the "Special Requirement" section of this bid document and/or on the Purchase Order as a "Ship To:" address.

Initials of Bidder: 

- 1.30 Purchase Order and Delivery: The successful bidder shall not deliver products or provide services without a Fort Bend County Purchase Order, signed by an authorized agent of the Fort Bend County Purchasing Department. The fastest, most reasonable delivery time shall be indicated by the bidder in the proper place on the bid sheet. Any special information concerning delivery should also be included, on a separate sheet, if necessary. All items shall be shipped F.O.B. inside delivery unless otherwise stated in the specifications. This shall be understood to include bringing merchandise to the appropriate room or place designated by the using department. Every tender or delivery of goods must fully comply with all provisions of these requirements and the specifications including time, delivery and quality. Nonconformance shall constitute a breach, which must be rectified prior to expiration of the time for performance. Failure to rectify within the performance period will be considered cause to reject future deliveries and cancellation of the contract by Fort Bend County without prejudice to other remedies provided by law. Where delivery times are critical, Fort Bend County reserves the right to award accordingly.
- 1.31 Contract Extension: Extensions may be made only by written agreement between Fort Bend County and the bidder. Any price escalations are limited to those stated by the bidder in the original bid.
- 1.32 Termination: Fort Bend County reserves the right to terminate the contract for default if Seller breaches any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies, which Fort Bend County may have in law or equity. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all services required to Fort Bend County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days written notice to either party unless otherwise specified.
- 1.33 Recycled Materials: Fort Bend County encourages the use of products made of recycled materials and shall give preference in purchasing to products made of recycled materials if the products meet applicable specifications as to quantity and quality. Fort Bend County will be the sole judge in determining product preference application.
- 1.34 Interlocal Participation: Additional governmental entities may purchase from this bid. Vendor agrees to accept purchase orders from those participating entities and to invoice each entity separately.

Initials of Bidder: 

- 1.35 Escalation Clause: Successful bidder may apply for a price increase to the Fort Bend County Commissioners Court. Price increase will be the amount increased to the vendor from his supplier. Written documentation of the increase must be provided to the Purchasing Agent. No application for a price increase may be submitted within the first four (4) months of this contract. Increases of more that 25% of the original bid price will not be considered.

2.0 TERMS AND CONDITIONS:

- 2.1 Seller to Package Goods: Seller will package goods in accordance with good commercial practice. Each delivery container shall be clearly and permanently marked as follows (a) Seller's name and address; (b) Consignee's name, address and purchase order number and the bid number if applicable; (c) Container number and total number of containers (e.g. box 1 of 4 boxes); and (d) the number of the container bearing the packing slip. Seller shall bear cost of packaging unless otherwise provided. Goods shall be suitably packed to secure lowest transportation costs and to conform to requirements of common carriers and any applicable specifications. Fort Bend County's count or weight shall be final and conclusive on shipments not accompanied by packing list.
- 2.2 Shipment Under Reservation Prohibited: Seller is not authorized to ship goods under reservation and no tender of a bill of lading will operate as a tender of goods.
- 2.3 Title and Risk of Loss: The title and risk of loss of the goods shall not pass to the County until a County employee actually receives and takes possession of the goods at the point or points of delivery.
- 2.4 Delivery Terms: F.O.B. Destination Freight Prepaid, Inside Delivery, unless delivery terms are specified otherwise on Purchase Order.
- 2.5 No Replacement of Defective Tender: Every tender or delivery of goods must fully comply with all provisions of the Purchase Order as to time of delivery, quality and the like. If a tender is made which does not fully conform, this shall constitute a breach and Seller shall not have the right to substitute a conforming tender.
- 2.6 Place of Delivery: The place of delivery shall be that set forth in the block of the purchase order entitled "Ship To". Any change thereto shall be effective by modification as provided for in Clause number 2.20 "Modifications", hereof. The terms of this agreement are "no arrival, no sale", at the discretion of Fort Bend County.

Initials of Bidder: 

2.7 Invoices and Payments:

2.7.1 Seller shall submit separate invoices, in duplicate. Invoices shall indicate the purchase order number and the bid number if applicable. Invoices shall be itemized and transportation charges, if any, shall be listed separately. A copy of the bill of lading, and the freight waybill when applicable should be attached to the invoice.

2.7.2 Fort Bend County's obligation is payable only and solely from funds available for the purpose of this purchase. Lack of funds shall render the order null and void to the extent funds are not available and any delivered but unpaid goods will be returned to Seller by the county.

2.7.3 Do not include Federal Excise, State, or City Sales Tax. Fort Bend County is a tax-exempt governmental entity.

2.8 Gratuities: Fort Bend County may, by written notice to the Seller, cancel any order without liability, if it is determined by the County that gratuities, in the form of entertainment, gifts, or otherwise were offered or given by the Seller, or any agent or representative of the Seller to any officer or employee of Fort Bend County with a view toward securing an order. In the event an order is canceled by the County pursuant to this provision, the County shall be entitled, in addition to any other rights and remedies, to recover or withhold the amount of the cost incurred by Seller in providing such gratuities.


2.9 Special Tools and Test Equipment: If the price stated on the face of an order includes the cost of any special tooling or special test equipment fabricated or required by Seller for the purpose of filing this order, such special tooling equipment and any process sheets related thereto shall become the property of the County and to the extent feasible shall be identified by the Seller as such.

2.10 Warranty/Price:


2.10.1 The price to be paid by the County shall be that contained in Seller's quote or bid which Seller warrants to be no higher than Seller's current prices on orders by others for products of the kind and specification covered by an order for similar quantities under similar or like conditions and methods of purchase. In the event Seller breaches this warranty the prices of the items shall be reduced to the Seller's current prices on orders by others. Fort Bend County may cancel this contract without liability.

Initials of Bidder: 

- 2.10.2 The Seller warrants that no person or selling agency has been employed or retained to solicit or secure any County order based upon any agreement or understanding for commission, percentage, brokerage, or contingent fee excepting bona fide employees of bona fide established commercial or selling agencies maintained by the Seller for the purpose of securing business. A breach or violation of this warranty gives the County the right, in addition to any other right or rights, to cancel this contract without liability.
- 2.11 Warranty Product: Seller shall not limit or exclude any implied warranties and any attempt to do so shall render an order voidable at the option of the County. Seller warrants that the goods furnished will conform to the specifications, drawings, and description listed in the bid invitation and purchase order as applicable, and to the sample(s) furnished by Seller if any. In the event of a conflict between the specifications, drawings, and descriptions, the specifications shall govern.
- 2.12 Safety Warranty: Seller warrants that the product sold to Fort Bend County shall conform to the standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act of 1970. In the event the product does not conform to OSHA standards, the County may return the product for correction or replacement at the Seller's expense. In the event Seller fails to make the appropriate correction within 10 days, correction made by the County will be at Seller's expense.
- 2.13 No Warranty by Fort Bend County Against Infringements: As part of a contract for sale Seller agrees to ascertain whether goods manufactured in accordance with the specifications will give rise to the rightful claim of any third person by way of infringement. Fort Bend County makes no warranty that the production of goods according to the specification will not give rise to such a claim and in no event shall Fort Bend County be liable to Seller for indemnification in the event the Seller is sued on the grounds of infringement or the like. If Seller is of the opinion that an infringement will result, he will notify Fort Bend County to this effect in writing within two days after the receiving Purchase Order. If the County does not receive notice and is subsequently held liable for the infringement, Seller will defend and save the County harmless. If Seller in good faith ascertains that production of the goods in accordance with the specifications will result in infringement, this contract shall be null and void except that the County will pay Seller the reasonable cost of his search as to infringements.
- 2.14 Right of Inspection: The County shall have the right to inspect the goods at delivery before accepting them.

Initials of Bidder: 

- 2.15 Cancellation: Fort Bend County shall have the right to cancel for default all or any part of the undelivered portion of an order if Seller breaches any of the terms hereof including warranties of Seller, or if the Seller becomes insolvent or files for protection under the bankruptcy laws. Such rights of cancellation are in addition to and not in lieu of any other remedies, which Fort Bend County may have in law or equity.
- 2.16 Termination: The performance of work under a Purchase Order may be terminated in whole or in part by the County in accordance with this provision. Termination of work there under shall be effected by the delivery to the Seller of a "Notice of Termination" specifying the extent to which performance of work under the order is terminated and the date upon which such termination becomes effective. Such right of termination is in addition to and not in lieu of rights of Fort Bend County set forth in Clause 15 herein.
- 2.17 Force Majeure: Force Majeure means a delay encountered by a party in the performance of its obligations under this Agreement, which is caused by an event beyond the reasonable control of that party. Without limiting the generality of the foregoing, "Force Majeure" shall include but not be restricted to the following types of events: acts of God or public enemy; acts of governmental or regulatory authorities; fires, floods, epidemics or serious accidents; unusually severe weather conditions; strikes, lockouts, or other labor disputes; and defaults by subcontractors. In the event of a Force Majeure, the affected party shall not be deemed to have violated its obligations under this Agreement, and the time for performance of any obligations of that party shall be extended by a period of time necessary to overcome the effects of the Force Majeure, provided that the foregoing shall not prevent this Agreement from terminating in accordance with the termination provisions. If any event constituting a Force Majeure occurs, the affected party shall notify the other parties in writing, within twenty-four (24) hours, and disclose the estimated length of delay, and cause of the delay.
- 2.18 Assignment-Delegation: No right or interest in an order shall be assigned or delegation of any obligation made by Seller without the written permission of Fort Bend County. Any attempted assignment or delegation by Seller shall be wholly void and totally ineffective for all purposes unless made in conformity with this paragraph.
- 2.19 Waiver: No claim or right arising out of a breach of any contract can be discharged in whole or in part by a waiver or renunciation of the claim or right unless the waived or renunciation is supported by consideration and is in writing signed by the aggrieved party.
- 2.20 Modification: A Purchase Order can be modified or rescinded only by a writing signed by both of the parties or their duly authorized agents.

Initials of Bidder: 

- 2.21 Parol Evidence: This writing is intended by the parties as a final expression of their agreement and is intended also as a complete and exclusive statement of the terms of this agreement. No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any terms rendered under this agreement and shall not be relevant to determine the meaning of this agreement even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. Whenever a term defined by the Uniform Commercial Code is used in this agreement, the definition contained in the Code is to control.
- 2.22 Applicable Law: This agreement shall be governed by the Uniform Commercial Code. Whenever the term "Uniform Commercial Code" is used it shall be construed as meaning the Uniform Commercial Code as adopted in the State of Texas and in effect on the date of the purchase order.
- 2.23 Advertising: Seller shall not advertise or publish, without the County's prior consent the fact that Fort Bend County has entered into any contract, except to the extent necessary to comply with proper requests for information from an authorized representative of the federal, state, or local government.
- 2.24 Right to Assurance: Whenever the County in good faith has reason to question the other party's intent to perform. The County may demand that the other party give written assurance of his intent to perform. In the event that a demand is made and no assurance is given within five (5) days, the County may treat this failure as an anticipatory repudiation of the contract.
- 2.25 Venue: Both parties agree that venue for any litigation arising from this contract shall lie in Richmond, Fort Bend County, Texas.
- 2.26 Prohibition Against Personal Interest in Contracts: No officer or employee of the County shall have a financial interest, direct or indirect, in any contract with the County, or shall be financially interested, directly or indirectly, in the sale to the County of any land, materials, supplies, or service, except on behalf of the County as an officer or employee. Any willful violation of this section shall constitute malfeasance in office, and any officer or employee guilty thereof shall be subject to disciplinary action under applicable laws, statutes and codes of the State of Texas. Any violation of this section, with the knowledge, expressed or implied of the person or corporation contracting with the County shall render the contract involved voidable by the County Commissioners Court.

3.0 SCOPE:

It is the intent of Fort Bend County to purchase radiation detection equipment from one (1) vendor, which meets or exceeds the following specifications.

Initials of Bidder: 

CONTRACT SHEET
BID 14-051

THE STATE OF TEXAS
COUNTY OF FORT BEND

This memorandum of agreement made and entered into on the 6th day of May, 2014, by and between Fort Bend County in the State of Texas (hereinafter designated County), acting herein by County Judge Robert Hebert, by virtue of an order of Fort Bend County Commissioners Court, and OWENS SCIENTIFIC, INC. (company name) (hereinafter designated Contractor).

WITNESSETH:

The Contractor and the County agree that the bid and specifications for the **Radiation Detection Equipment** which are hereto attached and made a part hereof, together with this instrument and the bond (when required) shall constitute the full agreement and contract between parties and for furnishing the items set out and described; the County agrees to pay the prices stipulated in the accepted bid.

It is further agreed that this contract shall not become binding or effective until signed by the parties hereto and a purchase order authorizing the items desired has been issued.

Executed at Richmond, Texas this 9th day of May, 2014.

By: Robert Hebert Fort Bend County, Texas
County Judge

By: Betty Hail
Signature of Contractor

By: BETTY HAIL, PRESIDENT
Printed Name and Title

Vendor Information

OWENS SCIENTIFIC, INC
Legal Name of Contracting Company

7 7
Federal ID Number (Company or Corporation) or Social Security Number (Individual)

281-394-2311 281-394-2522
Telephone Number Facsimile Number

23230 SANDSAGE
Complete Mailing Address (for Correspondence)

KATY, TX 77494
City, State and Zip Code

SAME
Complete Remittance Address (if different from above)

City, State and Zip Code

Betty HAIL, PRESIDENT
Authorized Representative and Title (printed)

SALES@OWENS SCIENTIFIC.COM
Authorized Representative's Email Address

Betty Hail
Signature of Authorized Representative

Initials of Bidder: BH

**Request for Taxpayer
Identification Number and Certification**

**Give Form to the
requester. Do not
send to the IRS.**

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Owens Scientific, Inc.

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax

classification (required): ☐ Individual/sole proprietor ☒ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Exempt payee

☐ Other (see instructions) ▶

Address (number, street, and apt. or suite no.)

23230 Sandsage Lane

City, state, and ZIP code

Katy, TX 77494

Requester's name and address (optional)

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number

				-			-				
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Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

**Sign
Here**

Signature of
U.S. person ▶

Betty Hail

Date ▶

1-8-14

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

Job No.: _____

TAX FORM/DEBT/RESIDENCE CERTIFICATION

Taxpayer Identification Number (T.I.N.): _____

Company Name submitting Bid/Proposal: OWENS SCIENTIFIC, INC

Mailing Address: 23230 SANDSAGE, KATY, TX 77494

Are you registered to do business in the State of Texas? ☒ Yes ☐ No

If you are an individual, list the names and addresses of any partnership of which you are a general partner or any assumed name(s) under which you operate your business

N/A

I. **Property:** List all taxable property in Fort Bend County owned by you or above partnerships as well as any d/b/a names. Include real and personal property as well as mineral interest accounts. (Use a second sheet of paper if necessary.)

Fort Bend County Tax Acct. No.*

Property address or location**

6780-09-001-0420-914 23230 SANDSAGE, KATY, TX 77494

* This is the property account identification number assigned by the Fort Bend County Appraisal District.

** For real property, specify the property address or legal description. For business personal property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored at a warehouse or other location.

II. **Fort Bend County Debt** - Do you owe any debts to Fort Bend County (taxes on properties listed in I above, tickets, fines, tolls, court judgments, etc.)?

☐ Yes ☒ No If yes, attach a separate page explaining the debt.

III. **Residence Certification** - Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Fort Bend County requests Residence Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

(3) "Nonresident bidder" refers to a person who is not a resident.

(4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

☒ I certify that OWENS SCIENTIFIC, INC is a Resident Bidder of Texas as defined in Government Code §2252.001.
[Company Name]

☐ I certify that _____ is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is _____.
[Company Name]

[City and State]

State of Texas

Historically Underutilized Business Certification and Compliance Program



The Texas Comptroller of Public Accounts (CPA),
hereby certifies that

OWENS SCIENTIFIC, INC.

has successfully met the established requirements of the
State of Texas Historically Underutilized Business (HUB) Program
to be recognized as a HUB.

This certificate, printed 03-JUL-2010, supersedes any registration and certificate previously issued by the HUB Program. If there are any changes regarding the information (i.e., business structure, ownership, day-to-day management, operational control, addresses, phone and fax numbers or authorized signatures) provided in the submission of the business' application for registration/certification as a HUB, you must immediately (within 30 days of such changes) notify the HUB Program in writing. The CPA reserves the right to conduct a compliance review at any time to confirm HUB eligibility. HUB certification may be suspended or revoked upon findings of ineligibility.

Certificate/VID Number: 1760179739600
File/Vendor Number: 62310
Approval Date: 30-JUN-2010
Expiration Date: 30-JUN-2014

Paul A. Gibson
Statewide HUB Program Manager
Texas Comptroller of Public Accounts
Texas Procurement and Support Services Division

Note: In order for State agencies and institutions of higher education (universities) to be credited for utilizing this business as a HUB, they must award payment under the Certificate/VID Number identified above. Agencies and universities are encouraged to validate HUB certification prior to issuing a notice of award by accessing the Internet (<http://www.window.state.tx.us/procurement/cmb1/hubonly.html>) or by contacting the HUB Program at (888) 863-5881 or (512) 463-5872.

4.0. BID FORM COMPLETION:

Fill out, initial each page, SIGN CONTRACT SHEET, and return to the Fort Bend County Purchasing Department ONE (1) complete bid form. An authorized representative of the bidder MUST sign the contract sheet. The contract will be binding only when signed by the County Judge, Fort Bend County and a purchase order authorizing the item(s) desired has been issued. The use of liquid paper is **NOT** acceptable and may result in the disqualification of bid. If an error is made, vendor **MUST** draw a line through error and initial each change.

5.0 FORT BEND COUNTY REPRESENTATIVE:

Point of contact for this contract is Debbie Kaminski, CPPB, Assistant County Purchasing Agent, Debbie.Kaminski@fortbendcountytexas.gov. Deadline for submitting questions: March 7, 2014 3PM (CST).

6.0 SPECIFICATIONS AND PRICING:

Must be new current production models. ThermoFisher or equal (see Section 1.18 above). If bidding an equal vendor must provide manufacturer literature for each item. **All prices are FOB Fort Bend County.**

<u>Item</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total</u>
Model 4250860 RIIDEye M-G multipurpose portable spectroscopic radioisotope identification instrument 2" X 2" Nal (Ti)	2 each	<u>9,040.</u>	<u>18,080.</u>
Model 425067120 RadEye PRD, pocket sized personal radiation detector	10 each	<u>1,855.</u>	<u>18,550.</u>
Model 425067046 holster for RadEye PRD	10 each	<u>32.</u>	<u>320.</u>
Model 425067044 safety lanyard and transparent plastic bag for RadEye PRD	10 each	<u>20.</u>	<u>200.</u>
Model 425069951 user software RadEye.Exe	1 each	<u>249.</u>	<u>249.</u>
Model 425067060 desktop holder for RadEye (no data cable)	1 each	<u>45.</u>	<u>45.</u>
Model 4254026 data cable USB for RadEye desktop holder model 425067060	1 each	<u>213.</u>	<u>213.</u>
Model TPM903B transportable portal monitor for emergency response	2 each	<u>13,225.</u>	<u>26,450</u>

Initials of Bidder: BH

<u>Item</u>	<u>Qty</u>	<u>Unit Price</u>	<u>Total</u>
Model TPM903BVK vehicle monitoring kit for the TPM903B	2 each	<u>765.</u>	<u>1,530.</u>
Model BS7134 rugged transport case	2 each	<u>INCLUDED IN TPM 903B</u>	
Spectrum Techniques Cs-13751Ci solid source, 1 inch disc, beta and gamma. Check source for TPM903B	2 each	<u>75.</u>	<u>150.</u>
Model RIDEYEG-DS2Y3 RIIDEye-G 3 year enhanced warranty	2 each	<u>2,360</u>	<u>4,720.</u>
Model RADYYEPRD-DS2 3 year enhanced depot service warranty (includes calibration) for RadEye PRD SHIPPING MOTOR FRT/FEDEx	10 each	<u>750</u>	<u>7,500</u> <u>690.-</u>
Grand total for all items:		<u>\$ 78,697.</u>	

7.0 PROJECT DURATION:

Bidder agrees, if awarded the contract, to deliver all items listed above within 8-10 wks calendar days after issuance of a purchase order by the County Purchasing Agent.

8.0 ADDITIONAL REQUIRED FORMS:

All vendors submitting are required to complete the attached and return with submission:

- 8.1 Vendor Form
- 8.2 W9 Form
- 8.3 Tax Form/Debt/Residence Certification

**INCLUDED - @ NO COST (VALUE \$1,500.)
1 DAY TRAINING AT YOUR
FACILITY ON ALL INSTRUMENTS.
DATE SUBJECT TO BOTH PARTIES
SCHEDULES.**

Initials of Bidder: BH

RadEye PRD/PRD-ER

Search and Find

Features

- High quality PMT for excellent response from 30 keV
- EMI immunity much better than photodiode instruments
- NaI(Tl)-Detector for high response to SNM and RDD's
- True dose and dose rate calculation avoids significant overestimation of low gamma energies
- Automatic background update, (i.e., no user action necessary)
- NBR allows very low alarm levels for artificial radioactivity
- Designed to meet ANSI 42.33/1, 42.32 and IEC 6240
- Energy response behavior in Roentgen

RadEye PRD

The "orphan source" phenomena is a serious global problem as sources showing up unexpectedly in scrap yards, border crossings or numerous other public locations are a significant potential threat. The RadEye PRD represents a high-performance measuring device for anyone responsible for finding radiation sources whether they be first preventers (border guards, customs officers) or first responders (emergency services and law enforcement).

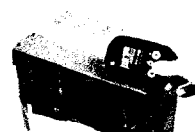
The RadEye PRD is 5,000 - 100,000 times more sensitive than a typical electronic dosimeter.

When looking for lost or hidden radiation sources or contaminated materials, it is paramount to use a tool with high sensitivity and high selectivity.

The RadEye PRD achieves this through a special technique based on our patented Natural Background Rejection (NBR) technology. It is the only instrument of its type and size to achieve this.

The RadEye PRD incorporates a high sensitivity NaI(Tl) scintillation detector with a miniature photo-multiplier allowing the detection of very low radiation levels with particular emphasis on gamma emissions below 400 keV. Thus, in case of a nuclear accident, the RadEye PRD is ideal for sensitive I-131 detection and measurement.

Detector	NaI(Tl)-detector with high quality micro photomultiplier; software switch for R or Sv energy response and calibration
Measuring range	PRD: 1 μ R/h - 25 mR/h [0.01 μ Sv/h - 250 μ Sv/h] PRD-ER: 1 μ rem/h - 10 rem/h [0.01 μ Sv/h - 100 mSv/h]
Overrange indication	PRD: Tested up to 1,000 R/h [10 Sv/h] PRD-ER: Tested up to 10,000 rem/h [100 Sv/h]
Energy range (+/- 30 %)	60 keV - 1.3 MeV, excellent detection from 30 keV
Response for Cs-137 (662 keV)	1.5 cps per μ R/h [150 cps per μ Sv/h]
Response for Am-241 (60 keV)	30 cps per μ R/h [2000 cps per μ Sv/h]
Linearity error (Cs-137)	PRD: max. \pm 10 % PRD-ER: max. \pm 20 %
Enhanced alarming sensitivity by NBR	Yes, down to 1 μ R/h [0.01 μ Sv/h] at low gamma energies
Cosmic radiation background	Suppression typically > 95 %



RadEye PRD #4250671
Factory calibrated in
exposure rate R/h



RadEye PRD #425067120
Factory calibrated in
H*(10) μ Sv/h

RadEye PRD/PRD-ER

Search and Find and Gamma Safety Surveys



Applications

- Search and Safety
- Security
- First responders
- Steel and Recycling
- Environmental Monitoring

RadEye PRD-ER

Special proprietary circuitry allows the energy compensated dose and dose rate measurement up to 100 mSv/h (or 10 rem/h). Thus the RadEye PRD-ER is the ideal tool for both interdiction and response.

Unlike instruments using two different detectors for the low dose rate range and the high dose rate range, the single detector arrangement in the RadEye PRD-ER offers the following unique advantages over the whole measuring range:

- Consistent angular dependence
- No mutual shielding of neighboring detectors
- Consistent energy response
- No transition range with annoying hysteresis effects
- No high activity source for function test of high dose rate detector required

With the help of the RadEye PRD-ER test adapter, users can check the full detector performance on a regular basis – without the need of a high dose rate calibration facility.

RadEye PRD-ER #425067102
Factory calibrated in exposure rate R/h
Yellow front cover

RadEye PRD-ER #425067122
Factory calibrated in $H^*(10)$ μ Sv/h
Yellow front cover

RadEye PRD-ER #425067104
Factory calibrated in exposure rate R/h
Black front cover

Lutetium Test Adapter for PRD and PRD-ER

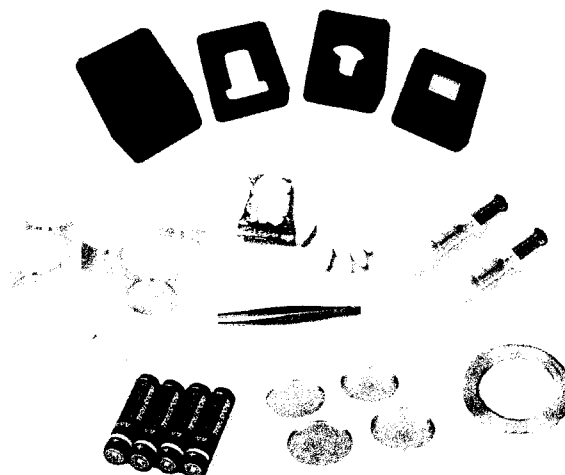
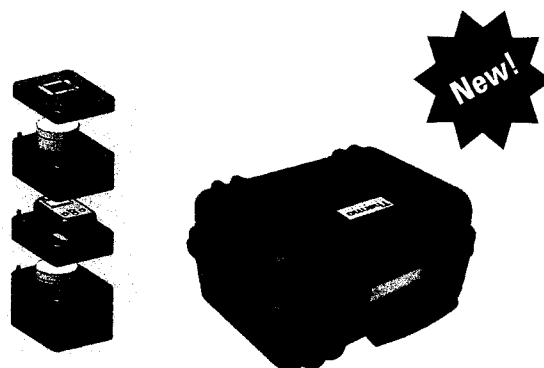
For additional information please see pages 37-38.



RadEye variants PRD-S and PRD-ER-S

The special firmware variants RadEye PRD-S # 425067130 and RadEye PRD-ER # 425067135 includes the capability for scaler measurement.

For additional information please ask for a separate data sheet.



RadEye PRD-S gamma laboratory kit # 425069015, e.g. for sensitive measurement of small food samples.

Thermo Scientific RIIDEye X and M

Handheld Radiation Isotope Identifiers

New Thermo Scientific Radiation Isotope Identifiers for real-time detection, location and identification

Key Features and Benefits:

- Patented QCC algorithm enables faster and more accurate IDs
- Color coded peaks provide more source data during and after completion of ID
- Continuous gain stabilization with natural potassium enables accurate results in changing environment

RIIDEye X - All-in-One, Extremely Rugged for demanding environments

RIIDEye M - Multi-purpose, 2 or 1 hand operation and ability to utilize multiple detectors with a single RIIDEye M controller

- No Cs137 source means higher sensitivity to Cs-137 and shielded Am241, and less false IDs
- No Na22 source means lower cost of ownership
- Integrated non He-3 neutron scintillation detector (Ce doped Cs2LiYCl6 (CLYC) crystal)
- High-resolution LaBr₃ detector option
- Ethernet and removable memory card



RIIDEye X
for extreme conditions

RIIDEye M
multi-configurable

The Thermo Scientific™ RIIDEye™ detects and identifies radiation present in the environment and gives users feedback on where the radiation is, what type and how much.

It is the only RIID with real time spectra build to allow users to optimize identification during the scan which leads to faster scans, more confidence that measurement was accurate and the ability to add scan time based on real time results.

The RIIDEye offers identification speed with high accuracy. Allowing more scans, faster results in situations where rapid decisions need to be made.

With patented QCC technology, it provides real time gamma source identification and improved quality of isotopic IDs.

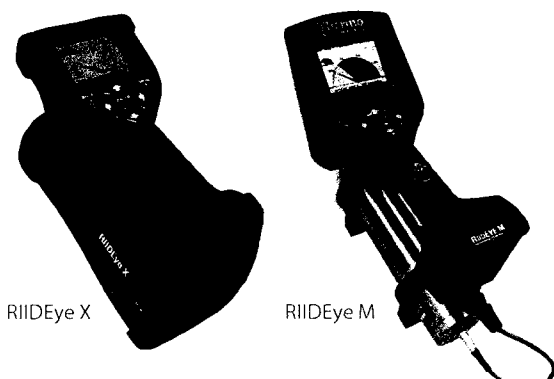
The RIIDEye is ergonomically engineered for single-grip operation and weight

balanced for comfortable usage, even in long-term use scenarios. The RIIDEye is an intuitive instrument to operate. With a large, illuminated color interface and simple, raised button design, it can easily be used by personnel with little experience in radiation measurement - providing identification "at a glance."

!!! Analysis Software !!!

Please download your [free](https://hekili.ca.sandia.gov/Cambio) analysis software package for your RIIDEye spectra data from:

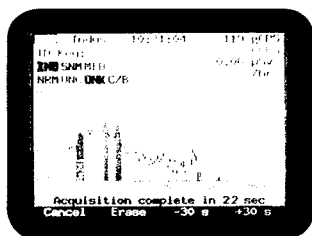
<https://hekili.ca.sandia.gov/Cambio>



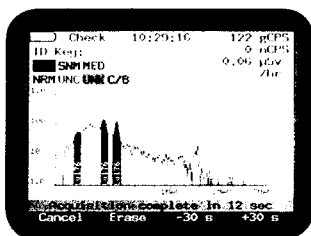
RIIDEye X

RIIDEye M

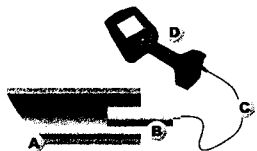
Thermo
SCIENTIFIC



Color peak display enables more clear information for reachback and further conops steps



One or two hand operation is possible for the best ergonomics for each monitoring situation. The probe can be easily detached by the operation of a single clip:



2 hand measurement application

A) Cavity C) Extended spare cable
B) Detector D) RIIDEye electronics



While taking a gamma spectrum the RIIDEye can be complemented with the gamma neutron pager RadEye GN for the highest detection performance for both fast and moderated neutrons.

Technical specification of the Thermo Scientific RIIDEye

Detector	2" x 2" NaI Scintillator, 1.5" x 1.5" LaBr offered in both models. Optional 3" x 3" offered with RIIDEye M
Energy Range	20 keV to 3 MeV
Display	320 x 240 high brightness 32000-color 3.5 inch LCD
I/O	Ethernet and removable memory card
Battery Life	8 hours nominal with standard battery pack
Weight	RIIDEye X: 2.6 kg (5.7 lbs); RIIDEye M: 2.3 kg (5.1 lbs), both with 2" x 2" NaI detector
Dimensions (with 2" x 2" NaI)	32 cm x 25 cm x 15 cm (12.6 inch x 9.8 inch x 5.8 inch)
Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Controls	Well spaced 7-key pad for simple menu use with protective gloves
Alarms	Audio and visual on screen
Stabilization	Continuous with natural potassium requiring no periodic source replacement or licensing
Library	Standard ANSI, security, medical, industrial or user defined
Neutron Detector	Optional dual scintillator with imbedded Lithium (NaI detectors only) or Ce doped Cs2LiYCl6 (CLYC) crystal
Functions	Isotope identification, spectral analysis, dose rate meter, source locator

RIIDEye versions

RIIDEye M-G	2"x2" NaI(Tl)	4250860
RIIDEye M-GN	2"x2" NaI(Tl) and CLYC neutron detector	4250865
RIIDEye M-G3	3"x3" NaI(Tl)	4250863
RIIDEye M-H	1.5"x1.5" LaBr detector	4250862
RIIDEye M-HN	1.5"x1.5" LaBr and CLYC neutron detector	4250866
RIIDEye X-G	2"x2" NaI(Tl)	4250880
RIIDEye X-GN	2"x2" NaI(Tl) and CLYC neutron detector	4250885
RIIDEye X-H	1.5"x1.5" LaBr detector	4250882
RIIDEye X HN	1.5"x1.5" LaBr and CLYC neutron detector	4250886



Each version comes with an accessory kit, comprising: 1 foam insulated hard carrying case, 1 extended spare cable for 2 hand operation, 1 backup battery holder, 1 memory card reader, 1 shoulder strap, 1 A/C power supply, 1 battery charger.

Optional components: 1. Serial communication cable (# P111406) enables RIIDEye to interface direct with PC serial port.
2. GPS. 3. Spare rechargeable battery pack. 4. Backup memory card.

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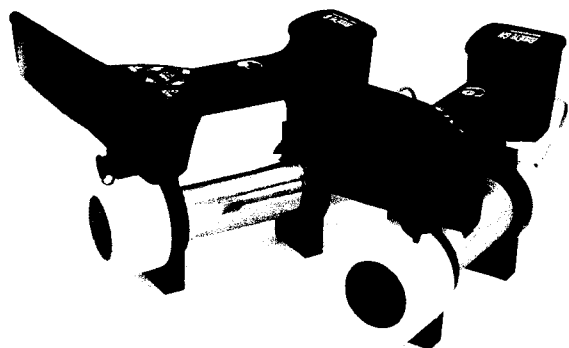
Thermo Scientific RIIDEye

Handheld Radiation Isotope Identifier

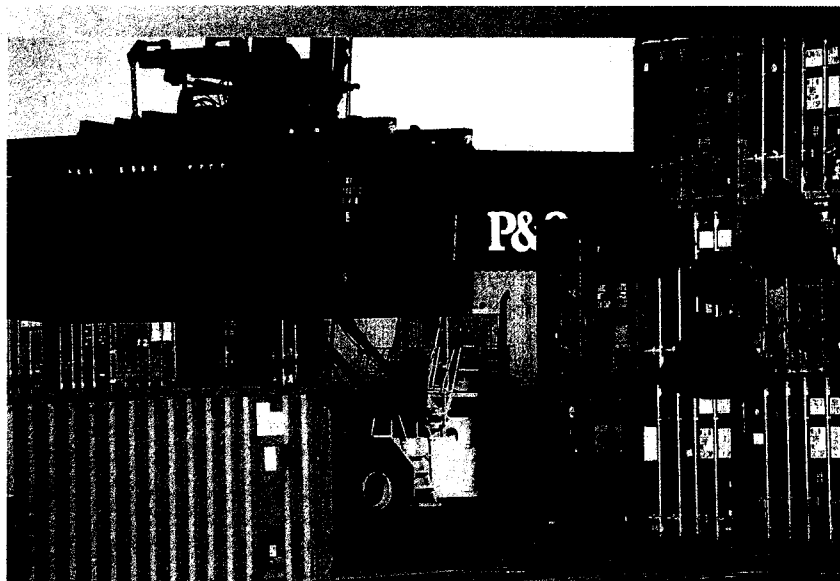
New Thermo Scientific Radiation Isotope Identifier for fast real time identification

Key Features:

- Superior performance for ID of low activities
- Patented QCC algorithm
- No integral Cs-137 source:
 - less false ID's
 - higher detection sensitivity for Cs-137 and shielded Am-241
- Weight balanced at mid point of handle
- Intuitive live spectrum with color coded peaks
- Integrated non He-3 neutron scintillation detector option
- High-resolution LaBr3 detector option
- Continuous gain stabilization
- Easy spectrum reach-back in ANSI N42.42 format
- Ethernet and removable memory card
- Two hand operation possible
- Commercial AA batteries



Color coded end caps for immediate recognition of detector type



The Thermo Scientific RIIDEye is an advanced and very intuitive isotopic identifier providing real time gamma source identification using the patented QCC-technology. Continuous handheld operation is made easy and convenient by virtue of a design that is weight balanced at mid point of the handle.

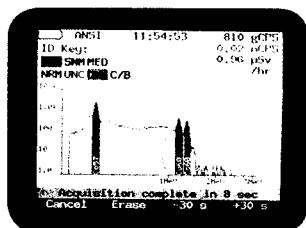
The RIIDEye can very efficiently be used by security officers with little experience in radiation measurement. Getting familiar with the instrument is easy. Soon the unique features of the instrument can be leveraged in order to speed up the measurements and improve the quality of the derived results.

E.g. obvious identifications are already displayed as color coded energy peaks in real time - while taking a spectrum – resulting in significant time savings for certain measurement scenarios.

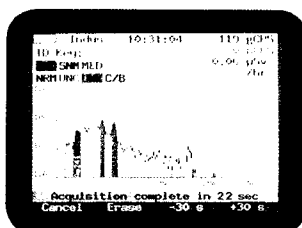
All spectra are stored on a removable compact flash disc - time and date stamped. Thus processing and transmitting those files for further analysis is very easy. The scope of delivery includes a copy of QuantumMCA software for further analysis and spectral storage on your PC.



Thermo
SCIENTIFIC

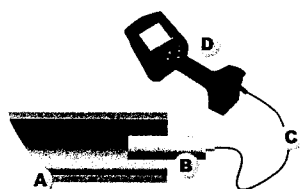


Color peak display - with real time update during the measurement - enables more clear information for reachback and further ConOps steps



Thermo Scientific Test Adapters made of natural Lutetium oxide can be used for precise field verification of the detector linearity and are ideally suited for many training purposes:

- ConOps execution upon occurrence of unknown isotopes (photo peaks indicated in red)
- Isotopic identification (using a secondary library containing Lu-176)
- Tutorial demonstration of sum-peak occurrence as function of detector spacing and source shielding



One hand measurement application

One or two hand operation is possible for the best ergonomics for each monitoring situation:

- Cavity
- Detector
- Extended spare cable
- RIIDEye electronics



While taking a gamma spectrum the RIIDEye can be complemented with the gamma neutron pager RadEye GN for highest detection performance in respect to both fast and moderated neutrons.

Technical specification of the Thermo Scientific RIIDEye

Detector	Scintillator with integral PMT and HV supply
Signal Processor	Digital electronics with bases converter 14-bit pipelined flash
Energy Range	20 keV to 3 MeV
Display	320 x 240 high brightness 32000-color 3.5 inch LCD
I/O	Ethernet and removable memory card
Battery Life	8 hours nominal with standard battery pack
Weight	1.4 kg (3 lbs) with 2x2 NaI detector
Dimensions (without detector)	31 cm x 11cm x 13 cm (12 inch x 4 inch x 5 inch)
Temperature	-20 °C to 50 °C
Controls	7-key pad with single thumb operations
Alarms	Audio and visual on screen
Stabilization	Continuous with K40 requiring no source change or licensing
Library	Standard ANSI, medical, industrial, SNM or user defined
Neutron Detector	Optional dual scintillator with imbedded Lithium (NaI detectors only)
Functions	Isotope identification, spectral analysis, dose rate meter, source locator

RIIDEye versions

RIIDEYE-G (red end cap):	2"x2" NaI(Tl)	#4250850
RIIDEYE-GN (blue end cap):	2"x2" NaI(Tl) with Neutron Detection channel	#4250851
RIIDEYE-G-HiRes (red end cap):	1.5"x1.5" LaBr (Lanthanum Bromide)	#4250852

Each version comes with an accessory kit, comprising: 1 foam insulated hard carrying case, 1 extended spare cable for 2 hand operation, 1 backup battery holder, 1 memory card reader, 1 Quantum MCA software.



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India

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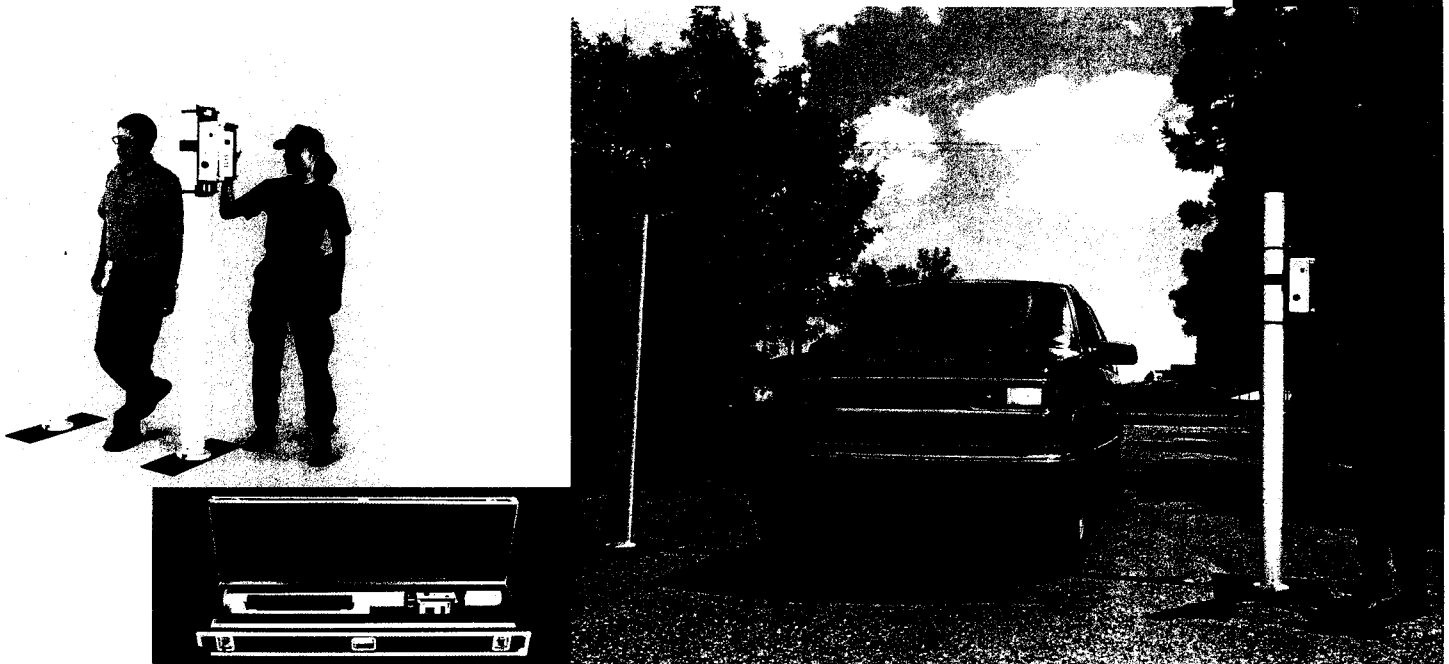
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The Thermo Scientific TPM-903B is designed for rapid radiation screening of personnel. It provides early warning of hot spots, e.g., on protective clothing, and has design features suited for monitoring radiation workers, vehicles or the public.

Thermo Scientific TPM-903B

Transportable Radiation Portal Monitor



Features

- Quick and easy setup
- Lightweight construction
- Very sensitive, highly uniform responses to gamma radiation
- Exceeds FEMA ^{137}Cs sensitivity requirements
- Powered by AC or D-cell batteries
- Excellent price/performance ratio

Features New to the TPM-903B

- Networkable
- Backlit display
- Brighter lamps
- Louder alarm
- Controller can be remotely operated

The Thermo Scientific TPM-903B is a lightweight, portable portal monitor that is ideal for either permanent or temporary installation. The aperture accommodates pedestrians, wheelchairs, walkers, ambulance gurneys and strollers; and can also be easily adapted as a vehicle monitor.

Emergency response teams, security forces, HAZMAT and evacuation teams can make use of the adaptable TPM-903B. Quick and easy installation with minimal instruction needed, it is the perfect tool to provide personnel radiation screening in an emergency response scenario or temporary security event. Head-to-toe coverage is

achieved in quick fashion, allowing for maximum throughput without the need for excessive searches of personnel, hand-carried items, or vehicles.

The TPM-903B also detects shielded sources, providing high confidence for security and emergency response personnel.

The TPM-903B exceeds the FEMA ^{137}Cs sensitivity requirements. Monitoring for beta and gamma radiation, the wide, full-length detectors of the TPM-903B provide maximum coverage of walk-thru pedestrians as well as wheeled persons and items.

Specifications

Setup of the TPM-903B

Setup is a breeze. Simply clamp the pillars to floor stands with the provided thumbnuts, make simple connections, slide the crossbar into push fit, connect the unit to AC power or D-cell batteries and switch it on.

With preset parameters, self-testing is complete in 2 seconds and background is acquired in 20 seconds. The Thermo Scientific TPM-903B is then operational.

If parameters need adjustment, the LCD display prompts the operator for setup values which are entered via the password-protected keypad.

Alarm level, time and date, and signal amplitude discrimination level are all adjustable.

The TPM-903B is supplied in a ski-style bag containing just five main pieces: two support stands, two vertical pillars and the crossbar which holds the controller. With a total weight of only 90 lbs (approx.) it can easily be wheeled into place.

The TPM-903B operates equally well from AC power or six alkaline D-cells which provide over many hours uninterrupted use.

Thermo Scientific TPM-903B

General Specifications

Detector Volume	2 x BC408 plastic scintillators, each 1829 mm x 75 mm x 38 mm (72 in x 3 in x 1.5 in). 648 in ³ ; 1.6 mm (1/16") lead shielding around three sides over the full length
Sensitivity	< 1 µCi under ambient conditions (RDA); ¹³⁷ Cs
Energy Range	60 keV to 2 MeV
Walk-Through Time	2 seconds
Controller	4 x 20 character alphanumeric LCD display with password-protected keypad for the following adjustments: counting interval, N' STD DEV radiation alarm level, high/low background alarm levels, occupancy hold-in, lower level discriminator, upper level discriminator, date/time
Occupancy Sensor	Adjustable infra-red motion sensor
Indicators	Visible: Green "ready/clear" light; red "alarm/fault" light Audible: Loud signal
Dimensions	2,310 mm x 930 mm x 610 mm (91 in x 36.5 in x 24 in) assembled 2,032 mm x 457 mm x 457 mm (80 in x 18 in x 18 in) packed in carrying bag
Weight	40 kg (90 lb) approx.
Power	90 VAC to 264 VAC, 47 Hz to 63 Hz, 50 VA, or six alkaline D-cells
Operating Temperature	-20°C to +50°C (-4°F to +122°F)

Options

TPM-903VK	Transportable portal monitor vehicle kit
TPM-Case	Hard-sided transport case with wheels
TPM-Soft-Case	Soft-sided transport case with wheels

About Thermo Fisher Scientific

Thermo Fisher Scientific (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With an annual revenue stream of more than \$9 billion, we employ 30,000 people and serve over 250,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies as well as environmental and industrial processing settings. Serving our customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery.

Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike.

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