

ARLINGTON COUNTY, VIRGINIA  
OFFICE OF THE PURCHASING AGENT  
2100 CLARENDON BOULEVARD, SUITE 500  
ARLINGTON, VIRGINIA 22201

NOTICE OF AWARD OF CONTRACT

TO: Plus1Services	DATE ISSUED:	3/30/2018
6640 Longhorn Trail	CURRENT CONTRACT NO:	18-083-SS
Frisco Texas 75034	CONTRACT TITLE:	Eastech Flowmeters parts and service

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**THIS IS A NOTICE OF AWARD OF CONTRACT AND NOT AN ORDER. NO WORK IS AUTHORIZED UNTIL THE VENDOR RECEIVES A VALID COUNTY PURCHASE ORDER ENCUMBERING CONTRACT FUNDS.**

Your firm is awarded the above referenced contract. The contract term covered by this Notice of Award is effective immediately and expires on March 25, 2021.

CONTRACT PRICING:

- 1) REFER TO AGREEMENT 18-083-SS
- 2) PRICING FIRM FOR CONTRACT TERM

ATTACHMENTS:

- 1) AGREEMENT 18-083-SS

EMPLOYEES NOT TO BENEFIT:

**NO COUNTY EMPLOYEE SHALL RECEIVE ANY SHARE OR BENEFIT OF THIS CONTRACT NOT AVAILABLE TO THE GENERAL PUBLIC.**

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VENDOR CONTACT: <u>DAVIS MATTESON</u>	TELEPHONE NO.:	<u>972-768-7043</u>
	EMAIL ADDRESS:	<u>davismatteson@plus1services.com</u>
COUNTY CONTACT: <u>IVAN COLAZZO</u>	TELEPHONE NO.:	<u>703-228-7037</u>
	EMAIL ADDRESS:	<u>icollazo@arlingtonva.us</u>

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Issued by:

Igor Scherbakov  
Procurement Officer

ARLINGTON COUNTY, VIRGINIA

STANDARD FORM AGREEMENT No. 18-083-SS

**THIS AGREEMENT** ("Agreement") is made on the date of execution by the County between the COUNTY BOARD OF ARLINGTON COUNTY, VIRGINIA ("County") and Plus1Services, a Texas Proprietorship, with a place of business at 6640 Longhorn Trail, Frisco Texas 75034, licensed to do business in the Commonwealth of Virginia ("Contractor") (collectively the "parties").

1. The Contractor agrees to provide the following goods or services: provision of Eastech Flow Controls ultrasonic flow meters, spare parts, service and calibration of Eastech Flow Controls ultrasonic flow meters.
2. The Contractor understands and agrees that the County will have no obligation to the Contractor if no goods or services are required.
3. The Contractor's provision of these goods or services shall be subject to review and approval by the County's Project Officer ("Project Officer") assigned by the Director of the County's Department of Environmental Services.
4. The Contractor shall provide the goods or service designated in Paragraph 1 and any attachments beginning on March 26, 2018, and, unless terminated as provided below, shall continue until March 25, 2021.
5. For services rendered or goods provided by the Contractor and accepted by the Project Officer, the County shall pay the Contractor unit prices listed in Attachment A "Pricing Schedule". The County shall not pay the Contractor any other sum under this Agreement. Payment to the Contractor shall be net thirty (30) days from receipt by the County of a correct invoice from the Contractor. An invoice's correctness will be determined by the Project Officer.
6. It is understood and agreed by the parties that the Contractor is an independent contractor separate from the County, and the County will not withhold from the compensation paid to the Contractor any federal or Virginia unemployment taxes, federal or Virginia income taxes, Social Security tax, or any other amounts for benefits to the Contractor or its agents or employees; further, the County will not provide any insurance coverage or other benefits normally provided by the County for its general employees to the Contractor.
7. The Contractor is obligated to take one of the two following actions within seven (7) days after receipt of amounts paid to the Contractor by the County for work performed by any subcontractor under this Agreement:
  - a. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under this Agreement; or
  - b. Notify the County and the subcontractor, in writing, of the Contractor's intention to withhold all or a part of the subcontractor's payment, with the reason for nonpayment.

The Contractor is obligated to pay interest to any subcontractor on all amounts owed by the Contractor to the subcontractor that remain unpaid after seven (7) days following receipt by the Contractor of payment from the County for work performed by the subcontractor under this Agreement, except for amounts withheld as allowed in section b., above. Unless otherwise provided under the terms of this Agreement, interest shall accrue at the rate of one percent (1%) per month.

The Contractor shall include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements as those contained in this Agreement with respect to each lower-tier subcontractor.

The Contractor's obligation to pay an interest charge to a subcontractor pursuant to the above provisions may not be construed to be an obligation of the County. A Contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

8. This Agreement may be terminated upon written notice to the Contractor fifteen (15) days before the date of termination by the Arlington County Purchasing Agent whenever the Purchasing Agent shall determine that such termination is in the County's best interest. The Contractor will be entitled to receive compensation for all Contract goods or services satisfactorily performed by the Contractor and accepted by the County prior to such termination notice.

9. The County shall have the right to terminate this Agreement if the Contractor fails to provide satisfactory goods or services, in the sole determination of the Project Officer. In the event of such termination, the County will give the Contractor written notice forty-eight (48) hours before the effective date and time of termination. Such notice shall be effective upon being mailed by the County to the Contractor. In the event this Agreement is terminated by the County due to the Contractor's failure to provide satisfactory goods or services, the Contractor shall be entitled to receive compensation only for goods or services satisfactorily performed and accepted by the Project Officer prior to the mailing by the County of such termination notice. Upon any termination pursuant to this section, the Contractor shall be liable to the County for all costs incurred by the County after the effective date of termination including costs required to be expended by the County to complete the Work covered by the Contract, including costs of delay in completing the Project or the cost of repairing or correcting any unsatisfactory or non-compliant work. Such costs shall be either deducted from any amount due the Contractor or shall be promptly paid by the Contractor to the County upon demand by the County.

10. It is mutually understood and agreed that time is of the essence and the Contractor agrees that failure to provide timely service under this Agreement shall render this Agreement null and void, and the County will be relieved of all obligations hereunder.

11. All goods are purchased F.O.B. Tulsa, OK, Freight pre-paid and added.

12. The Contractor agrees as follows:

- a) The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, national origin, age, disability or any other basis prohibited by Virginia or federal law related to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth this nondiscrimination clause.
- b) The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that it is an Equal Opportunity Employer.
- c) Notices, advertisements and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- d) The Contractor shall include the provisions of the foregoing paragraphs a), b), and c) in every subcontract or Purchase Order in excess of \$10,000.00, so that the provisions will be binding upon each subcontractor and/or supplier.

13. The Contractor will comply with the provisions of the Americans with Disabilities Act of 1990, which prohibits discrimination against individuals with disabilities in employment and mandates their full participation in publicly- and privately-provided services and activities.

14. During the performance of this Agreement, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of marijuana or any other controlled substance is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order in excess of \$10,000.00, so that the provisions will be binding upon each subcontractor or supplier. For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with this Agreement.

15. In accordance with § 2.2-4311.1 of the Code of Virginia, the Contractor acknowledges that it does not, and shall not during the performance of this Agreement, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

16. This Agreement is governed, in part, by all applicable provisions of the Arlington County Purchasing Resolution, which is hereby incorporated by reference into this Agreement. The time limit for decision by the County Manager in Contractual Disputes, as that term is used in the Purchasing Resolution, is fifteen (15) days.

17. This Agreement shall not be effective until a valid County Purchase Order is issued to the Contractor covering the amount of the Agreement.

18. All funds for payments by the County under this Agreement are subject to the availability of an annual appropriation for this purpose by the County Board of Arlington County. In the event of nonappropriation of funds by the County Board for Arlington County for the goods and/or services provided under this Agreement or substitutes for such goods or services which are as advanced or more advanced in their technology, the County will terminate the Agreement, without termination charge or other liability to the County, on the last day of the then-current fiscal year or when the appropriation made for the then-current year for the services covered by this Agreement is spent, whichever event occurs first. If funds are not appropriated at any time for the continuation of this Agreement, cancellation will be accepted by the Contractor on thirty (30) days prior written notice, but failure to give such notice shall be of no effect and the County shall not be obligated under this Agreement beyond the date of termination specified in the County's written notice.

19. This Agreement incorporates by reference Article 9 of the Arlington County, Virginia, Purchasing Resolution, as well as any Virginia or federal law related to ethics, conflicts of interest, or bribery, including, by way of illustration and not limitation, the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq.), the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.), and Articles 2 and 3 of Chapter 10 of Title 18.2 of the Code of Virginia (§ 18.2-438 et seq.), as amended.

20. No employee of the County shall be admitted to any share or part of this Agreement or to any benefit that may arise therefrom.

21. The County does not discriminate against faith-based organizations.

22. The Contractor and its employees, agents, and subcontractors, hereby agree to hold as confidential all County information obtained as a results of its Work under this Contract. Confidential information includes, but is not limited to, nonpublic personal information, personally identifiable health information, social security numbers, addresses, dates of birth, other contact information or medical information about a person, information pertaining to products, operations, systems, customers, prospective customers, techniques, intentions, processes, plans, expertise and any information entrusted to any affiliate of the parties. The Contractor shall take reasonable measures to ensure that all of its employees, agents, and subcontractors are informed of, and abide by, this requirement.

23. The Contractor agrees to comply with the provisions of Chapter 11 of the Arlington County Code covering business licenses insofar as those provisions may apply to this Agreement.

24. The Contractor shall be and remain authorized to transact business in the Commonwealth of Virginia during the term of this Agreement.

25. This Agreement shall be governed in all respects by the laws of the Commonwealth of Virginia and no other state, and the jurisdiction and venue for any litigation with respect thereto shall be in the Circuit Court for Arlington County, Virginia, and in no other court or jurisdiction.

26. The Contractor covenants for itself, its employees, and subcontractors to save, defend, hold harmless and indemnify the County, and all of its elected and appointed officials, officers, current and former employees, agents, departments, agencies, boards, and commissions (collectively the "County" for purposes of this section) from and against any and all claims made by third parties or by the County for any and all losses, damages, injuries, fines, penalties, costs (including court costs and attorney's fees), charges, liability, demands or exposure, however caused, resulting from, arising out of, or in any way connected with the Contractor's acts or omissions, including the acts or omissions of its employees and/or subcontractors, in performance or nonperformance of its work called for by the Contract Documents. This duty to save, defend, hold harmless and indemnify shall survive the termination of this Contract. If, after notice by the County, the Contractor fails or refuses to fulfill its obligations contained in this paragraph, the Contractor shall be liable for and reimburse the County for any and all expenses, including but not limited to, reasonable attorneys fees incurred and any settlements or payments made. The Contractor shall pay such expenses upon demand by the County and failure to do so may result in such amounts being withheld from any amounts due to Contractor under this Agreement.

27. Notwithstanding any other provision of this Agreement, nothing in this Agreement or any action taken by the County pursuant to this Agreement shall constitute or be construed as a waiver of either the sovereign or governmental immunity of the County. The parties intend for this provision to be read as broadly as possible.

28. All notices and other communications hereunder shall be deemed to have been given when made in writing and either (a) delivered in person, (b) delivered to an agent, such as an overnight or similar delivery service, or (c) deposited in the United States mail, postage prepaid, certified or registered, addressed as follows:

**TO THE CONTRACTOR:**

Davis Matteson  
Plus1Services  
6640 Longhorn Trail  
Frisco Texas 75034

**TO THE COUNTY:**

Ivan Collazo, The County Project Officer  
Department of Environmental Services  
Water Pollution Control Bureau  
3111 S. Fern Street,  
Arlington, Virginia, 22202

AND

Michael E. Bevis, Purchasing Agent  
Arlington County, Virginia  
2100 Clarendon Boulevard, Suite 500  
Arlington, Virginia 22201

29. The Contractor agrees to retain all books, records and other documents related to this Contract for at least five (5) years after final payment. The County or its authorized agents shall have full access to and the right to examine any of the above documents during this period and during the Initial Contract Term and any Subsequent Contract Term. If the Contractor wishes to destroy or dispose of records (including confidential records to which the County does not have ready access) within five (5) years after final payment, the Contractor shall notify the County at least thirty (30) days prior to such disposal, and if the County objects, shall not dispose of the records.

30. This Agreement expressly incorporates any and all attachments and/or exhibits referenced hereinabove by reference. Where the terms and provisions of this Agreement vary from the terms and provisions of any attachments or exhibits, the terms and provisions of this Agreement shall take precedence.

31. The Contractor shall comply with all applicable legislative and regulatory requirements of privacy, security, and electronic transaction components of the Health Insurance portability and Accountability Act of 1996 ("HIPAA"). If applicable, the Contractor shall be designated a business associate pursuant and will be required to execute an Arlington County Business Associate Agreement pursuant to 45 C.F.R. §164.502(e) and §164.504(e).

32. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this Agreement, or of any or all of its right, title or interest therein, without prior written consent of the County.

33. This Agreement shall not be amended except by written amendment executed by persons duly authorized to bind the Contractor and the County.

34. All remedies available to the County under this Agreement are cumulative and no remedy hereunder shall be exclusive of any other remedy available to the County at law or in equity.

35. The sections, paragraphs, sentences, clauses and phrases of this Agreement are severable, and if any phrase, clause, sentence, paragraph or section of this Agreement shall be declared invalid by a valid judgment or decree of a court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Agreement.

36. The Contractor shall provide to the County Purchasing Agent a Certificate of Insurance indicating that the Contractor has in force the coverage types and minimum amounts below prior to the start of any

Work under this Contract and upon any contract extension.

- Commercial General Liability - \$1,000,000 per occurrence, with \$2,000,000 annual aggregate covering all premises and operations and including personal injury, completed operations, contractual liability, independent contractors, and products liability. The general aggregate limit must apply to this Contract. Evidence of contractual liability coverage must be typed on the certificate.
- Business Automobile Liability - \$1,000,000 combined single-limit (owned, non-owned and hired).

Arlington County, and its officers, elected and appointed officials, employees, and agents shall be named as additional insureds on all policies, except Workers Compensation, Auto, and Professional Liability. A copy of the Additional Insured endorsement, or an "Acord" certificate with the additional insured endorsement box checked for all policies that include an additional insured endorsement, must be provided by the Contractor to the County Purchasing Agent prior to the execution of this Contract and any Contract extension. Failure to provide such documentation shall result in cancellation of the award or of the Contract.

The Contractor agrees to maintain such insurance until the completion of this Contract or as otherwise stated in the Contract Documents. All required insurance coverages must be acquired from insurers authorized to do business in the Commonwealth of Virginia, with a rating of "A-" or better and a financial size of "Class VII" or better in the latest edition of the A.M. Best Co. Insurance Guides, and acceptable to the County. The minimum insurance coverage types and amounts shall be:

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE AFFIXED THEIR SIGNATURES.

THE COUNTY BOARD OF ARLINGTON PLUS1SERVICES  
COUNTY, VIRGINIA

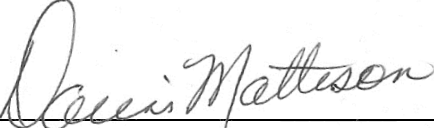
SIGNED: 

**Igor Scherbakov, Procurement Officer**

**For** PRINTED NAME: MICHAEL E. BEVIS

PRINTED TITLE:  
PURCHASING AGENT

DATE: 3/30/2018

SIGNED: 

PRINTED NAME: Davis Matteson \_\_\_\_\_

PRINTED TITLE: Owner, Plus 1 Services

DATE: 3/26/2018

ATTACHMENT A  
"PRICING SCHEDULE"

ARLINGTON COUNTY AGREEMENT 18-083-SS  
FLOW METERS AND PARTS

**EQUIPMENT SERVICE AND REPAIR:**

Within 7 days from the County's request for service quotation, Contractor shall submit an estimate for repair and services based on the service rates indicated in the table below, and parts rates indicated in Attachments A1-A4 "Price list". Upon approval of the estimate by the County Project Officer, Contractor shall proceed with the work. Upon completion of the work, County will pay the Contractor in accordance with terms set in Paragraph 5 of this agreement.

**EQUIPMENT PURCHASE:**

County will pay the contractor with accordance with the parts Pricing below, and in attachments A1-A4

<b>SERVICE PRICING</b>			
<b>Item</b>	<b>Part No and Description</b>	<b>Unit Measure</b>	<b>Unit Price in USD</b>
001	<b>700001-0003</b> ANNUAL CALIBRATION SERVICE, FIELD SERVICE, ONSITE REPAIR INCLUDING EXPENSES (TRAVEL & LODGING)	LOT PRICE COVERS FIRST DAY CALIBRATION, FIELD SERVICE OF ALL FLOW METERS OWNED BY WPCB COMBINED	3,000.00
003	<b>700001-0003</b> FIELD SERVICE, CALIBRATION ON SITE REPAIRE (ADDITIONAL DAY)	PER CREW PER ADDITIONAL DAYS	1,100.00
004	<b>700001-0002</b> SHOP REPAIR LABOR RATE	PER 1 HOUR OF SHOP REPAIR TIME. FREIGHT NOT INCLUDED.	275.00
<b>PARTS PRICING</b>			
005	DISPLAY MODULE, GRAPHIC LCD	EACH	490.00
006	<b>151913-0001</b> ASSY-PCB HXV 117VAC MPCOMPOUND	EACH	1,050.00

**Note: ADDITIONAL PARTS PRICING IS LISTED IN ATTACHMENTS A1-A4**

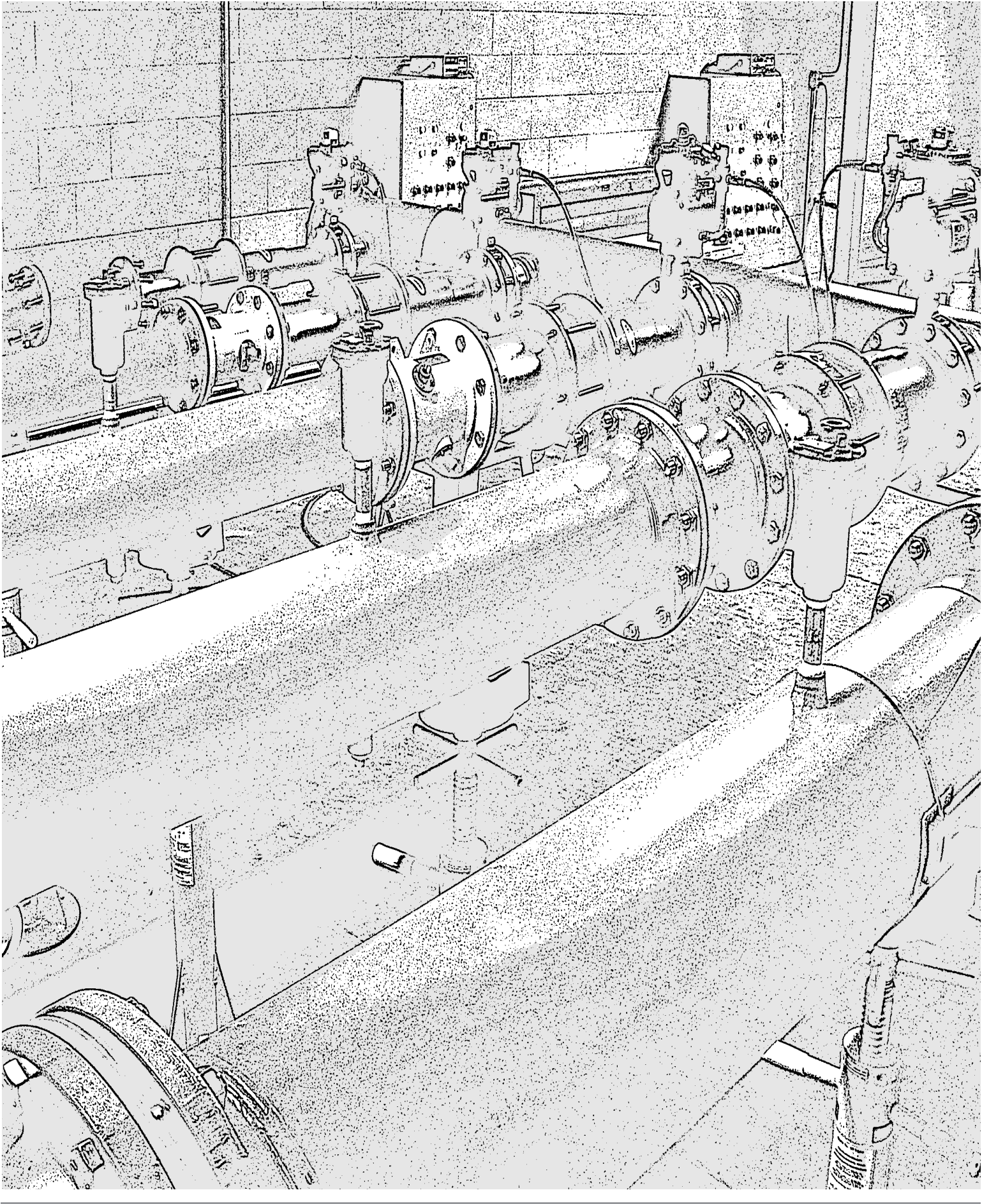


# PRICE LIST

EFFECTIVE JUNE 1, 2017



**EASTECH**



## Ultrasonic Products

Vantage 2200	Open Channel . . . . .	4
Vantage 4400/4600	Closed pipe/single path . . . . .	5
Vantage 4700	Closed pipe/multi-path . . . . .	6
Criterion 4800	Windowed and hot-shot spools . . . . .	7
Manhole Flumes . . . . .		8
Spare Parts. . . . .		9
Replacement Components. . . . .		10

### ► General Notes

1. Terms and conditions: Domestic - Net 30 days, FOB Tulsa OK  
Foreign - Wire in advance, FOB Tulsa OK
2. All prices are subject to change without notice
3. Project pricing: Consult factory for discount and delivery
4. Minimum billing: \$30.00
5. All weights are listed as approximate
6. Eastech Flow Controls standard warranty applies to all products
7. Domestic handling fee: \$13.00 per order
8. Export fee for documentation and handling are determined per order
9. Not responsible for typographical or printing errors

# Vantage 2200

## Open Channel Ultrasonic Flow/Level Meters



► **Vantage 2210 with Single FB5A Sensor and 30-Foot Cable** **\$2,345**

For flow with weirs and flumes and for level to maximum range of 25 feet  
Nema 4x enclosure, one 4-20 mA output, data logger, software, and one RS232 serial interface

► **Vantage 2220 with Single FB5A Sensor and 30-Foot Cable** **\$2,830**

For single-channel flow with weirs and flumes and for level to maximum range of 25 feet  
Nema 4x enclosure, two 4-20 mA outputs, data logger, software, one RS232 and one RS485 serial interface

► **Vantage 2220 with Dual FB5A Sensors and 30-Foot Cable** **\$3,740**

For dual channel flow with weirs and flumes and for level to maximum range of 25 feet  
Nema 4x enclosure, two 4-20 mA outputs, data logger, software, one RS232 and one RS485 serial interface

► **Optional Sensors**

FB6 with 30-foot cable (0-35-foot range)	Add	\$ 85
FB3 with 100-foot cable (0-50-foot range)	Add	\$ 1,070
FB7 Kynar® with 30-foot cable (0-15-foot range)	Add	\$ 335
FB2 with 30-foot cable	Add	\$ 405
FB5X with 30-foot cable	Add	\$ 380

► **Cable**

Sensor with 100-foot cable	Add	\$ 135
Sensor with 200-foot cable	Add	\$ 340
Sensor with 300-foot cable	Add	\$ 525
Sensor with 500-foot cable	Add	\$ 925
Sensor with 1,000-foot cable	Add	\$ 1,890

► **Options**

Heater and thermostat	Add	\$ 395
Keylock	Add	\$ 50
Modem	Add	\$ 1,005
Relay kit (up to 5 maximum)	Add	\$ 50

**A customer application form is required for each unit ordered**

**Warranty Period: 18 months from date of shipment . F.O.B. Tulsa, OK**

## Vantage 4000 Series

### Transit Time Ultrasonic Closed Pipe Flowmeters



<p>► <b>Vantage 4400 with External Sensors and 50-foot Cable</b></p> <p>Nema 4X enclosure, one 4-20 mA output, one SPDT relay, RS232 serial interface, data logger, and software; two V30 strap-on sensors with 50-foot cables, speedrail, and mounting kit</p>	<p><b>1" to 12" Pipes</b></p> <p><b>14" to 42" Pipes</b></p> <p><b>48" to 120" Pipes</b></p>	<p><b>\$5,610</b></p> <p><b>\$5,890</b></p> <p><b>\$5,890</b></p>															
<p>► <b>Vantage 4600 with External Sensors and 50-foot Cable</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; two V30 strap-on sensors with 50-foot cables, speedrail, and mounting kit</p>	<p><b>1" to 12" Pipes</b></p> <p><b>14" to 42" Pipes</b></p> <p><b>48" to 120" Pipes</b></p>	<p><b>\$6,475</b></p> <p><b>\$6,740</b></p> <p><b>\$6,740</b></p>															
<p>► <b>Vantage 4400 with Hotshot Sensors and 50-foot Cable</b></p> <p>Nema 4X enclosure, one 4-20 mA output, one SPDT relay, RS232 serial interface, data logger, and software; two V20Wt hotshot sensors with 50-foot cables and two 2" bronze ball valves</p>	<p><b>12" to 120" Pipes</b></p>	<p><b>\$7,765</b></p>															
<p>► <b>Vantage 4600 with Hotshot Sensors and 50-foot Cable</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; two V20Wt hotshot sensors with 50-foot cables and two 2" bronze ball valves</p>	<p><b>12" to 120" Pipes</b></p>	<p><b>\$8,535</b></p>															
<p>► <b>Options</b></p> <table border="0"> <tbody> <tr> <td>High temperature strap-on sensors and J-box</td> <td>Add</td> <td>\$ 1,265</td> </tr> <tr> <td>Heater and thermostat</td> <td>Add</td> <td>\$ 400</td> </tr> <tr> <td>Keylock</td> <td>Add</td> <td>\$ 50</td> </tr> <tr> <td>Relay kit (up to 2 maximum)</td> <td>Add</td> <td>\$ 50</td> </tr> <tr> <td>Modem</td> <td>Add</td> <td>\$ 1,005</td> </tr> </tbody> </table>			High temperature strap-on sensors and J-box	Add	\$ 1,265	Heater and thermostat	Add	\$ 400	Keylock	Add	\$ 50	Relay kit (up to 2 maximum)	Add	\$ 50	Modem	Add	\$ 1,005
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<p>► <b>Sensor Cable</b></p> <table border="0"> <tbody> <tr> <td>Sensor with 100-foot cable</td> <td>Add</td> <td>\$ 130</td> </tr> <tr> <td>Sensor with 200-foot cable</td> <td>Add</td> <td>\$ 390</td> </tr> <tr> <td>Sensor with 300-foot cable</td> <td>Add</td> <td>\$ 645</td> </tr> <tr> <td>Sensor with 500-foot cable</td> <td>Add</td> <td>\$ 1,170</td> </tr> <tr> <td>Sensor with 1,000-foot cable</td> <td>Add</td> <td>\$ 2,465</td> </tr> </tbody> </table>			Sensor with 100-foot cable	Add	\$ 130	Sensor with 200-foot cable	Add	\$ 390	Sensor with 300-foot cable	Add	\$ 645	Sensor with 500-foot cable	Add	\$ 1,170	Sensor with 1,000-foot cable	Add	\$ 2,465
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Sensor with 500-foot cable	Add	\$ 1,170															
Sensor with 1,000-foot cable	Add	\$ 2,465															

**A customer application form is required for each meter. You must know the pipe material, size, and sensor arrangement to accurately price transit time flow meters.**

Warranty Period: 18 months from date of shipment . F.O.B. Tulsa, OK



# Vantage 4700

## Multi-Path Transit Time Ultrasonic Flowmeters



<p>► <b>Vantage 4720 Dual-Path Flow Meter with External Sensors</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; four V30 strap-on sensors with 50-foot cables and speedrail mounting brackets with SS chain</p>	<p><b>6" to 12" Pipes</b></p> <p><b>14" to 42" Pipes</b></p> <p><b>48" to 120" Pipes</b></p>	<p><b>\$16,560</b></p> <p><b>\$16,845</b></p> <p><b>\$17,795</b></p>
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<p>► <b>Vantage 4730 Three-Path Flow Meter with External Sensors</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; six V30 strap-on sensors with 50-foot cables and speedrail mounting brackets with SS chain</p>	<p><b>2" to 42" Pipes</b></p> <p><b>48" to 120" Pipes</b></p>	<p><b>\$22,400</b></p> <p><b>\$23,795</b></p>
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<p>► <b>Vantage 4722 Dual-Path Flow Meter with Hotshot Sensors</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; four V20WT hotshot sensors with 50-foot cables and four 2" bronze ball valves</p>	<p><b>12" to 120" Pipes</b></p>	<p><b>\$21,740</b></p>
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<p>► <b>Vantage 4732 Three-Path Flow Meter with Hotshot Sensors</b></p> <p>Nema 4X enclosure, two 4-20 mA outputs, three SPDT relays, one RS232 and one RS485 serial interface with data logger and software; six V20WT hotshot sensors with 50-foot cable and six 2" bronze ball valves</p>	<p><b>18" to 120" Pipes</b></p>	<p><b>\$27,620</b></p>
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<p>► <b>Options</b></p>		
Heater and thermostat	Add	\$ 400
Keylock	Add	\$ 50
Modem	Add	\$ 1,005

<p>► <b>Sensor Cable</b></p>		
Sensor with 100-foot cable	Add	\$ 70 per sensor
Sensor with 200-foot cable	Add	\$ 195 per sensor
Sensor with 300-foot cable	Add	\$ 325 per sensor
Sensor with 500-foot cable	Add	\$ 590 per sensor
Sensor with 1,000-foot cable	Add	\$ 1,345 per sensor

**A customer application form is required for each unit ordered**

**Warranty Period: 18 months from date of shipment . F.O.B. Tulsa, OK**

## Criterion 4800

### Windowed and Hotshot Spool Piece Flow Meters



#### ► WD-1 Windowed

Temp range: -30° F to 160° F  
Pressure: 150 PSI  
3" to 48" pipe range

#### ► Hotshot Sensors

Temp range: -30° F to 160° F  
Pressure: 150 PSI  
12" to 48" pipe range (for larger pipe IDs, consult factory)

#### ► Fabricated Spool Sections

(3" to 6" 304 SS body and carbon steel flanges; 8" and larger carbon steel body and flanges, epoxy coated)

Pipe Size (inches)	Laying Length (inches)	Flange Style	Weight (pounds)
3	12	ANSI RF	75
4	12	ANSI RF	81
6	12	ANSI RF	101
6	12	AWWA CL D	95
8	14	ANSI RF	138
8	14	AWWA CL D	128
10	15	ANSI RF	198
10	15	AWWA CL D	178
12	18	ANSI RF	265
12	18	AWWA CL D	240
14	21	ANSI RF	340
14	21	AWWA CL D	300
16	24	ANSI RF	415
16	24	AWWA CL D	380
18	27	ANSI RF	515
18	27	AWWA CL D	480
20	30	ANSI RF	550
20	30	AWWA CL D	500
24	36	ANSI RF	725
24	36	AWWA CL D	685
30	30	AWWA CL D	850
36	36	AWWA CL D	1010
42	42	AWWA CL D	1330
48	48	AWWA CL D	1800

**Priced On  
Application**  
(contact factory)

**A customer application form is required for each unit ordered**

Warranty Period: 18 months from date of shipment . F.O.B. Tulsa, OK

## Manhole Flume



Size (Inches)	Part Number	Weight (Pounds)	Price
4	600700-0001	10	<b>\$ 900</b>
6	600700-0002	15	<b>\$ 1,010</b>
8	600700-0003	20	<b>\$ 1,185</b>
10	600700-0004	25	<b>\$ 1,345</b>
12	600700-0005	30	<b>\$ 1,530</b>

**A customer application form is required for each unit ordered**

**Warranty Period: 18 months from date of shipment . F.O.B. Tulsa, OK**



## Spare Parts

► Vantage 2200		Price
501603-0003	Front cover enclosure (clear)	\$ 180
544715-0001	Display and connector assembly	\$ 380
161105	Fuse 4-20 mA	\$ 8
160978-0006	Fuse .25 amp 250V 5x20 mm F1	\$ 7
528076-0001	Sensor mounting bracket, stainless steel	\$ 72

► Vantage 4400/4600		Price
544714-0001	Display and connector assembly	\$ 385
501603-0003	Front cover enclosure (clear)	\$ 180
160978-0009	Fuse 1.0 amp 250V 5x20mm F1	\$ 7
161105	Fuse 4-20 mA	\$ 8
500064-0012	Triax cable (Belden 9222, cable only)	\$ 1.55 per foot
541874	Splice kit	\$ 57
544725-0001	Zshot speed rail >14" pipes	\$ 255
544727-0001	Vshot speed rail 4" to 12" pipes	\$ 745
544726-0001	Zshot speed rail 4" to 12" pipes	\$ 395
544770-9999	Vshot speed rail and ubolt kit 1" to 3" pipes	\$ 620
501719-0001	Mounting chain for speed rails 304 SS	\$ 9 per foot
544767-0002	2" bronze ball valve and nipple with bushing	\$ 775 each
544767-0001	1-1/2" bronze ball valve and nipple with bushing	\$ 490 each

► Vantage 4700		Price
501729-0001	Display graphical	\$ 490
501603-0010	Front cover enclosure (clear)	\$ 215
161109-0002	Fuse 2.0 amp	\$ 7
161105	Fuse 4-20 mA	\$ 8
544725-0001	Zshot speed rail >14" pipes	\$ 330
544727-0001	Vshot speed rail 6" to 12" pipes	\$ 530
544726-0001	Zshot speed rail 4" to 12" pipes	\$ 395
501719-0001	Mounting chain for speed rails 304 SS	\$ 9 per foot
544767-0002	2" bronze ball valve and nipple with bushing	\$ 775 each
544767-0001	1-1/2" bronze ball valve and nipple with bushing	\$ 490 each

► Vantage 4800		Price
544714-0001	Display and connector assembly	\$ 390
501603-0003	Front cover enclosure (clear)	\$ 185
160978-0009	Fuse 1.0 amp 250V 5x20mm F1	\$ 7
161105	Fuse 4-20 mA	\$ 8

► Vantage 4900		Price
501729-0001	Display graphical	\$ 490
501603-0010	Front cover enclosure (clear)	\$ 220
161109-0002	Fuse 2.0 amp	\$ 7
161105	Fuse 4-20 mA	\$ 8
528076-0001	Sensor mounting bracket, stainless steel	\$ 75
544767-0002	2" bronze ball valve and nipple with bushing	\$ 775 each
544767-0001	1-1/2" bronze ball valve and nipple with bushing	\$ 490 each

► Chartmeter 5000		Price
500724-0002	Pen, fiber tip - red	\$ 25
513348	24-hour 4" chart	\$ 70 (box of 50)
513349	7-day 4" chart	\$ 70 (box of 50)
513350	31-day 4" chart	\$ 70 (box of 50)

► Vantage 6000		Price
500458-0021	Silicone grease	\$ 50
	Power supply/charger	\$ 565
544770-0004	Vshot speed rail with ubolts 1" to 3"	\$ 760
544726-0001	Zshot speed rail 4" to 12" pipes	\$ 390
501719-0001	Mounting chain for speed rails 304 SS	\$ 9 per foot

## Replacement Components

► Vantage 2200		Price
544717-0001	2210 electronics complete with Nema 4X enclosure and display	\$ 2,120
544716-0001	2220 electronics complete with Nema 4X enclosure and display	\$ 2,500
543372-0001	FB1A Sensor with 100-foot cable	\$ 1,065
544729-0001	FB2A sensor with 30-foot cable	\$ 870
544536-0001	FB3A sensor with 100-foot cable	\$ 1,720
544737-0001	FB4A Sensor with 30-foot cable	\$ 1,055
544776-0001	FB5A sensor with 30-foot cable	\$ 800
544777-0001	FB6A sensor with 30-foot cable	\$ 920

► Vantage 4400/4600		Price
544719-0001	4400 electronics complete with Nema 4X enclosure and display	\$ 4,075
544707-0001	4600 electronics complete with Nema 4X enclosure and display	\$ 4,900
544721-9999	V30L strap-on sensor with 50-foot cable	\$ 865
544722-9999	V30S strap-on sensor with 50-foot cable	\$ 815
544757-9999	V20WT hotshot sensor with 50-foot cable (304 SS)	\$ 1,950

► Vantage 4700		Price
544766-0002	4700 two-path electronics complete with Nema 4X enclosure and display	\$ 12,865
544766-0001	4700 three-path electronics complete with Nema 4X enclosure and display	\$ 15,085
544721-9999	V30L strap-on sensor with 50-foot cable	\$ 865
544757-9999	V20WT hotshot sensor with 50-foot cable (304 SS)	\$ 1,950

► Vantage 4800		Price
542577-9999	4800 electronics complete with Nema 4X enclosure and display Windowed sensor (Ultem®) with 100-foot cable	\$ 4,280 \$ 1,020

► Model 5200		Price
<b>Replacement for Badger Model 5000 and 4900 Electronics</b>		
Nema 4X enclosure with display. Three 4-20mA DC outputs, three SPDT relays, one RS-232 serial interface and one RS-485 serial interface with data logger and software. Unit includes two 4-20mA DC inputs for external redundant Measurements of velocity or level.		\$ 16,570
<b>Must have existing Badger Model 5000 and 4900 serial number in order to purchase an Eastech replacement 7700 meter.</b>		
543351-9999	Old style HS3 hotshot sensor with 100-foot cable	\$ 1,410 ea
543352-0001	Old style tail-piece assembly for HS3 sensors with 1-1/2" valves	\$ 1,280 ea
544758-9999	V20WTC hotshot sensor with 50-foot cable (304 SS)	\$ 1,950
544767543646-9999	WR2 internal wetted sensor with 100-foot cable >36" pipes	\$ 1,310
543773-9999	Wff internal wetted sensor with 100-foot cable 12" to 36" pipes	\$ 825

**LIST PRICES**

Rep. or Dist. Disc.

**Windowed Spool Parts Pricing 2017**

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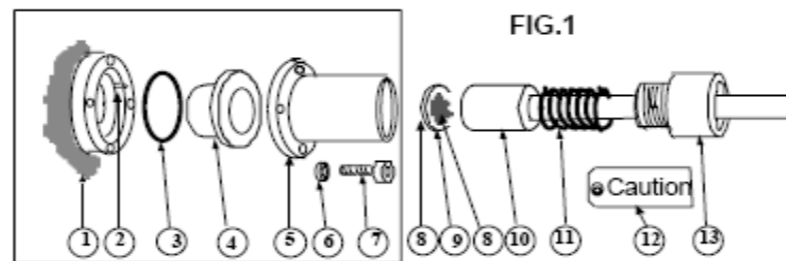
Number of Paths

Part Number	Item	Description	Qty	Price(\$) Each	Price \$
4075		4400 Electronics	0	\$4,075.00	0.00
542577-0002 & -1002	10, 11 & 13	Sensor assembly with 100ft Cable	0	\$1,020.00	0.00
500064-0012		Beldon 9222 Yellow (Amount to add to Original 100')	0	\$1.55	0.00 Total length = 100Ft.
500064-0034		Beldon 9222 Red (Amount to add to Original 100')	0	\$1.55	0.00 Total length = 100Ft.
420001-0019		2 roll pin	0	\$0.33	0.00
430004-0018		6 spring washer LK #10 ss	0	\$0.33	0.00
490001-0027		3 o-ring	0	\$3.50	0.00
512062		decals flow direction	0	\$5.40	0.00
500666		8 silicone compound	0	\$20.50	0.00
512289		4 ultem window	0	\$165.00	0.00
512301		12 caution tag	0	\$3.10	0.00
525031		5 holder sensor s/s	0	\$191.50	0.00
525037		7 screw socket hd cap 10-32 x 1/2	0	\$5.40	0.00
526043-0001		9 rubber disc	0	\$7.30	0.00
512299		spool nameplate	0	\$4.90	0.00
525030		1 weld on holder ss (size dependent)	0	\$405.00	0.00
525033		1 sensor retainer	0	\$96.50	0.00
		Spool	0	\$0.00	0.00

List	<b>0.00</b>
Disc	<b>0.00</b>
Net	<b>\$ -</b>

**Vantage 4000 WINDOWED SPOOL INSTALLATION**

1. SPOOL
2. ROLL PIN (USED AS A GUIDE FOR #4)
3. O RING
4. SENSOR WINDOW
5. SENSOR HOLDER
6. WASHER (4 PLACES)
7. SCREW (4 PLACES)
8. SILICONE GREASE
9. RUBBER PAD
10. SENSOR & CABLE
11. SPRING
12. CAUTION TAG
13. SENSOR RETAINER



**WARNING:**  
DO NOT REMOVE ASSEMBLY #3 THROUGH #7

304 24"X24"	\$3,927.00
18"X27"	\$3,447.00
30"X30"	\$5,497.50
18"X14"	\$2,943.00

Unit	Unit2	Price	Column1
4400 Electronics	4400 Electronic:	\$4,075.00	544719-0001
4600 Electronics	4600 Electronic:	\$4,900.00	544707-0001
4700 2X Electronics	4700 2X Electro	\$12,865.00	544784-0002

**LIST PRICES**

**Windowed Spool Parts Pricing 2017**

Rep. or Dist. Disc.

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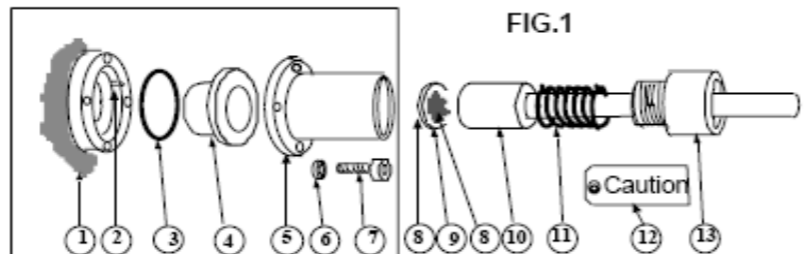
Number of Paths

Part Number	Item	Description
4900		4600 Electronics
542577-0002 & -1002	10, 11 & 13	Sensor assembly with 100ft Cable
500064-0012		Beldon 9222 Yellow (Amount to add to Original 100')
500064-0034		Beldon 9222 Red (Amount to add to Original 100')
420001-0019		2 roll pin
430004-0018		6 spring washer LK #10 ss
490001-0027		3 o-ring
512062		decals flow direction
500666		8 silicone compound
512289		4 ultem window
512301		12 caution tag
525031		5 holder sensor s/s
525037		7 screw socket hd cap 10-32 x 1/2
526043-0001		9 rubber disc
512299		spool nameplate
525030		1 weld on holder ss (size dependent)
525033		1 sensor retainer
		Spool *

Qty	Price(\$) Each	Price \$
0	4,900.00	0.00
0	1,020.00	0.00
0	1.55	0.00 Total length = 100Ft.
0	1.55	0.00 Total length = 100Ft.
0	0.33	0.00
0	0.33	0.00
0	3.50	0.00
0	5.40	0.00
0	20.50	0.00
0	165.00	0.00
0	3.10	0.00
0	191.50	0.00
0	5.40	0.00
0	7.30	0.00
0	4.90	0.00
0	405.00	0.00
0	96.50	0.00
0	0.00	0.00
	List	<b>0.00</b>
	Disc	<b>0.00</b>
	Net	<b>\$ -</b>

**Vantage 4000 WINDOWED SPOOL INSTALLATION**

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5. SENSOR HOLDER
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7. SCREW (4 PLACES)
8. SILICONE GREASE
9. RUBBER PAD
10. SENSOR & CABLE
11. SPRING
12. CAUTION TAG
13. SENSOR RETAINER



**WARNING:**  
DO NOT REMOVE ASSEMBLY #3 THROUGH #7

304	24"X24"	3,927.00
	18"X27"	3,447.00
	30"X30"	5,497.50
	18"X14"	2,943.00

Unit	Unit2	Price	Column1
4400 Electronics	4400 Electronic:	4,075.00	544719-0001
4600 Electronics	4600 Electronic:	4,900.00	544707-0001
4700 2X Electronics	4700 2X Electro	12,865.00	544784-0002

**LIST PRICES**

**Windowed Spool Parts Pricing 2017**

Rep. or Dist. Disc.

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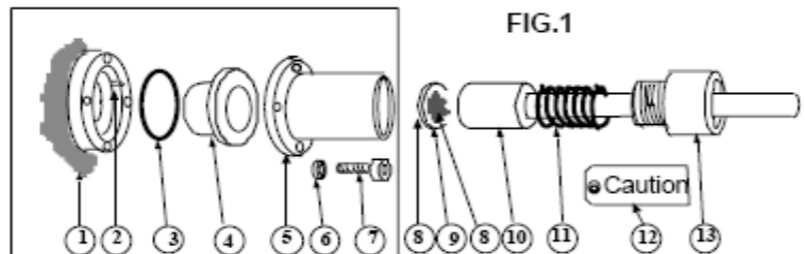
Number of Paths

Part Number	Item	Description
12865		4700 2X Electronics
542577-0002 & -1002	10, 11 & 13	Sensor assembly with 100ft Cable
500064-0012		Beldon 9222 Yellow (Amount to add to Original 100')
500064-0034		Beldon 9222 Red (Amount to add to Original 100')
420001-0019		2 roll pin
430004-0018		6 spring washer LK #10 ss
490001-0027		3 o-ring
512062		decals flow direction
500666		8 silicone compound
512289		4 ultem window
512301		12 caution tag
525031		5 holder sensor s/s
525037		7 screw socket hd cap 10-32 x 1/2
526043-0001		9 rubber disc
512299		spool nameplate
525030		1 weld on holder ss (size dependent)
525033		1 sensor retainer
		Spool *

Qty	Price(\$) Each	Price \$
0	12,865.00	0.00
0	1,020.00	0.00
0	1.55	0.00 Total length = 100Ft.
0	1.55	0.00 Total length = 100Ft.
0	0.33	0.00
0	0.33	0.00
0	3.50	0.00
0	5.40	0.00
0	20.50	0.00
0	165.00	0.00
0	3.10	0.00
0	191.50	0.00
0	5.40	0.00
0	7.30	0.00
0	4.90	0.00
0	405.00	0.00
0	96.50	0.00
0	0.00	0.00
	List	<b>0.00</b>
	Disc	<b>0.00</b>
	Net	<b>\$ -</b>

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5. SENSOR HOLDER
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9. RUBBER PAD
10. SENSOR & CABLE
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	30"X30"	5,497.50
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Unit	Unit2	Price	Column1
4400 Electronics	4400 Electronic:	4,075.00	544719-0001
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