

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** Wastewater Treatment Facility – Wastewater Sampler and Flow Meter Purchase  
Project 2624  
**Date:** November 14, 2012  
**Number:** 2012-261

---

Attached are proposals from Quality Control Equipment Company (QCEC) and Teledyne/Isco for the purchase of refrigerated wastewater samplers and flow meters for the Wet Weather Treatment System project at the Mill Street Wastewater Treatment Facility.

This equipment was to be purchased and installed by the general contractor, Civil Constructors as part of their contract. During project discussions, the contractor indicated that if the City was willing to purchase the equipment, they would remove the equipment costs, and supplier mark-up, from their contract and still install this equipment. By purchasing the equipment directly, the City would see a cost savings of about \$75,000.

Costs for purchasing the three (3) samplers, and necessary accessories, from QCEC is \$18,609.50. Costs associated with purchasing the two (2) flow meters from Teledyne/Isco is \$61,478.00.

The make and model of the samplers and flow meters was selected because they are currently being used at other city facilities and city personnel are familiar with their operation and maintenance.

**Recommendation**

The Public Works Department recommends that the City Council approve the purchase of the refrigerated wastewater samplers from QCEC in the amount of \$18,609.50 and the flow meters from Teledyne/Isco in the amount of \$61,478.00.

**Submitted by:** Robert T. Hawes, P.E., Assistant City Manager/Public Works Director  
Michael J. Kane, P.E., City Engineer

---

**Approved by:** Thomas Thomas, City Manager



Quality Control Equipment Company  
An Electric Pump Company

TO: City of Rock Island, Illinois  
REF: Wet Weather Treatment System  
Section: 11900

July 6, 2012

## QLS-RS-3-AS "QUICK LIFT" All Season Refrigerated Wastewater Sampler

### **(3) QLS-RS-3-AS Sequential/Composite Sampler**

**PRICE: \$ 5,395.00 each**

**Description:** This model is designed with the "newest technology" utilizing our patented "self learning" smart sampling system. The controller is mounted on top of the refrigeration unit; sample chamber and sequential container are located inside the unit. This model is thermostatically controlled, operates on 115 VAC, maintains an average temperature of 4° C preset at the factory. The maximum vertical lift is 28 feet. The sample velocity: is greater than 3.25 FPS at 20 FT. You get an accurate repeatable sample and long horizontal runs do not affect sample integrity. The sampler is suitable for outdoor installation without additional enclosures; temperature range -20 to 120 degrees Fahrenheit.

#### **Standard Features:**

##### **Two year warranty**

Vacuum/Pressure pump system

20 to 500/1000 ml programmable sample size in 1 ml increments, ± 4ml with repeatable self calibration.

25 FT. of 3/8 IN. ID heavy wall intake tubing

Computer program

Operates on 115 VAC

Power Draw 7 amps per sampler

Full container shut down

Power fail / auto restart

Self diagnostics

(3) Heater (optional for outdoor installations)

**\$300.00 ea**

(3) LED Temperature Display option

**\$225.00 ea**

(1) Standard PVC Strainer with SST Cap

**\$38.00 ea**

(1) Low Profile Stainless Steel Strainer

**\$75.00 ea**

(24) 500/1000 ml polyethylene bottles with sequential carrying container and assembly available as adder

#### **Programmable Controller Functions:**

Pre-sample / Post-sample purge - 0 thru 99 sec.

Programmable sample size 20-500 / 1000 ML

Automatic shut off - 1 thru 9999

Delay start - 1 thru 9999 min.

Constant sampling interval: 1 thru 9999 min.

Variable sampling – Time / Flow (1-24)

Real-time clock

Inputs (contact closure, 4-20 mA, 0-10 volts DC)

Start/stop programming

Data logging

Pass code protection

Multiplexing

Flow proportional / time index

Consecutive sampling

RECYCLE (automatic attempts 1-4)

RINSE CYCLE (1-4 attempts)

#### **Controller Options:**

**\$39.00 ea**

(3) Alarm Output

#### **Bottle Options:**

(6) 2.5 gallon Nalgene sample receptacles

**\$103.25 ea**

Two separate site visits for Installation and Operator Training included at no charge

**Total Price: \$18,609.50\***

\*Price valid until purchase in 2013

**Notes:**

**\*\*We take exception to anything peristaltic in design; we use a vacuum/pressure pump system that uses our patented "Self Learning" Smart Sampling System**

**\*\*Our samplers are suitable for corrosive environments – they have a SST Base and fiberglass body**

**\*\*Copper refrigeration lines are coated with phenolic resin**

**\*\*Sampler refrigeration system consists of a self contained, slide in, modular system, removable for service or replacement; the compressor is 1/3 HP, refrigerant R134A**

**\*\*We exceed sample volume accuracy; we offer a programmable sample size in 1 ml increments,  $\pm 4$  ml with repeatable self calibration**

**\*\*Our units Rinse and Recycle (repeat) is 1-4 attempts for both**

**\*\*We use a weight measurement feedback to the controller to detect liquid presence (sample)**

**\*\*The sampler has one alarm output with 3 functions, output alarms include recycle, full bottle, and program complete**

**\*\* Sampler temperature reading can be viewed on separate display independent of the samplers' program display; however temp readings are NOT stored in a report**

**\*\*Sample intake tubing is not Teflon**

**ALL PRICES F.O.B. FACTORY**  
**Terms: Net 30 Days**  
**Delivery: 4-6 Weeks ARO**  
**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**  
Phone: 515-266-2268  
Fax: 515-266-0243  
[www.qcec.com](http://www.qcec.com)

BY: Niki Albaugh  
[nikia@qcec.com](mailto:nikia@qcec.com)

CC: Tony Sage  
Jim Creighton

**QUOTATION**

**QUOTATION NUMBER**  
(PLEASE REFER TO THIS NUMBER WHEN ORDERING)

**ISC- 149121 - 1**

**DATE 10/30/2012**

**REFERENCE**

**City of Rock Island Wet Weather Sys**

This document is offered on the express condition that the terms stated below and on the attached are the exclusive terms and conditions of any resulting transaction.

**Brian A. Till, P.E.**  
**SYMBIONT**  
Science, Engineering & Construction  
6737 West Washington Street  
Suite 3440  
West Allis WI 53214  
Phone 414-291-8840 Fax 414-291-8841

PLEASE ADDRESS PURCHASE ORDER TO:  
**Teledyne Isco**  
4700 Superior Street  
Lincoln, NE 68504-1398  
Phone 800-228-4373 Fax 402-465-3022

Item	Quantity	Catalog Number	Description	Unit Price	Total Price
1	2	687200006	ADFM Pro20-HTI-Box. Includes IP68 hot tap insertion sensor with 15 m (49 ft.) cable, NEMA 4x box housing, WinADFM software, and operation manual.	20105.00	40210.00
2	2	EXTWAREN	Extended warranty on ADFM Pro20-HTI-Box. Extends the original factory warranty to provide coverage for two (2) years.	2080.50	4161.00
3	2	687500011	accQcomm Digital Interface Module with one 4-20 mA output.	2160.00	4320.00
4	2	EXTWAREN	Extended warranty on accQcomm Digital Interface Module. Extends the original factory warranty to provide coverage for two (2) years.	216.00	432.00
5	2	605304999	ADFM/accQmin Console, 115VAC, without heater, with viewing window. 36" x 36" x 10"	3790.00	7580.00
6	1	STARTUP	Startup and training services	4400.00	4400.00
7	1	FREIGHT9	Standard Ground Freight Rate (Total Merchandise Value \$50,000.00-\$99,999.99)	375.00	375.00
				<b>TOTAL</b>	<b>61478.00</b>

Estimated Shipment: To be determined at time of order.

**SYMBIONT**

**QUOTATION NUMBER ISC- 149121 - 1**

Item	Quantity	Catalog Number	Description	Unit Price	Total Price
------	----------	----------------	-------------	------------	-------------

Specification Review of Section 13420; drawing 20-I-5 and 70-M-3 only. No other sections referenced in 13420 have been reviewed.  
7-12-2012, Project ID# 157120

**Part 1/General/1.1 Scope/ 1**

There is mention of enclosures with window kits

Exception-our standard ADFM enclosures do not have a window installed. This will have to be added to the quote.

There is mention of FM approval in hazardous area-

Exception-our ADFM HTI sensor does not have FM approval. Even if used with IS ADFM electronics, the HTI would still require an FM approval. If the meter is to be located in a hazardous area we will not be able to provide equipment.

**Part 1/General/1.7 Training/A**

There is mention of training required. 1 day of training will need to be provided on the quote.

**Part 2/Products/2.11/F35/A/ Flow element and transmitter, Profiling Doppler**

1. Mentions meter suitable for 9-108 pipes

Exception -the HTI minimum pipe diameter is 18"

4. Mentions integral keypad

Exception the HTI system requires a computer interface

5. Mentions EMI protection and external acoustical noise rejection filtering

Exception -he ADFM systems are susceptible to interference from high frequency noise.

**Part 3 Execution**

3.5 Warranty-Mentions need for warranty for one year from substantial completion.

Exception -Warranty period begins at the ship date. Extra warranty can be provided at additional cost at time of the order.

Shipping costs may change if shipping to more than one location. See [www.isco.com](http://www.isco.com) for anti-boycott statement. This quotation is invalid if the product is to be used outside the United States.  
Seller's Offer, and any order issued by Buyer to Seller for the goods and/or services specified herein, is strictly limited to Seller's Terms and Conditions of Sale, which can be found at [www.isco.com](http://www.isco.com).

Prices are F.O.B. Factory - Prepaid and Added.

These prices are valid for 30 days.

Charges for expedited or premium transportation shall be for the account of the purchaser.

Estimated shipment - see note above.

By: \_\_\_\_\_

Prices include packing for domestic shipment.

Teledyne Isco

Any applicable sales tax is not included unless noted.

**Teledyne  
Isco**

Teledyne Isco  
4700 Superior Street  
Lincoln, NE 68504-1398

Phone: (800) 228-4373  
Phone: (402) 464-0231  
FAX: (402) 465-3022

Federal I.D. No.: 95-4888283  
Duns No.: 07-832-7063

**1. DEFINITIONS**

"Seller" means Teledyne Isco, a business unit of Teledyne Instruments, Inc. "Buyer" means the entity to which Seller's Offer is made, or the entity purchasing Goods and/or Services from Seller. "Goods" means the products included in Seller's Offer and/or Buyer's Order. "Services" means Services offered or rendered by Seller. "Offer" means any quotation, bid, or proposal for Goods and/or Services made by Seller to Buyer. "Order" means Buyer's purchase order issued to Seller, or similar instrument. All references to "terms and conditions" herein mean and include (a) these "Terms and Conditions of Sale", (b) Seller's Special Terms and Conditions, as applicable, and (c) any other terms and conditions mutually agreed by the Parties in writing, in accordance with Section 3 herein. Seller and Buyer are sometimes referred to herein individually as a "Party" and jointly as the "Parties".

**2. OFFERS**

Unless stated otherwise in writing by Seller, all Offers made by Seller shall be valid for a period of thirty (30) days from the date of such Offer. Unless accepted by Buyer within the Offer validity period, Seller reserves the right to withdraw and/or revise its Offer. The prices offered by Seller apply only to the specific quantities, specifications, scope of Services, statements of work, delivery schedules, and terms and conditions set forth in Seller's Offer.

**3. ACCEPTANCE**

The terms and conditions herein apply to all Offers made, and all Orders accepted, by Seller. Acceptance of Buyer's Order, and any changes or amendments thereto, is strictly limited to and conditioned upon Seller's terms and conditions. Unless otherwise agreed in writing by a duly authorized representative of Seller, Seller objects to, and is not bound by, any terms or conditions that differ from, add to, or modify Seller's terms and conditions. Seller's failure to object to any terms and conditions or any other provisions contained in any communication from Buyer, including, but not limited to, Buyer's Order and any changes or amendments thereto, does not waive any of the terms and conditions specified herein. Unless Seller agrees otherwise, Buyer's issuance of an Order in response to Seller's Offer shall conclusively evidence Buyer's unconditional acceptance of these terms and conditions irrespective of any different terms and conditions Buyer may offer or include in its Order. The terms and conditions herein shall be applicable whether or not they are attached to or enclosed with Goods and/or Services sold or to be sold hereunder.

**4. PRICES**

Unless otherwise agreed in writing by a duly authorized representative of Seller, all prices are stated in United States Dollars, and all invoices issued by Seller and payments made by Buyer shall be in United States Dollars. A minimum Order amount of \$50.00 applies to all Orders.

**5. PAYMENT TERMS**

(a) For Goods: Subject to Seller approval of Buyer's credit, payment terms for domestic Orders are net thirty (30) days from date of Seller's invoice. Unless otherwise agreed in writing by a duly authorized representative of Seller, payment terms for international Orders shall be either cash in advance by wire transfer, or by an irrevocable letter of credit confirmed with Seller's bank. Each shipment is a separate and independent transaction and Buyer must make payment accordingly. If prior to shipment of Buyer's Order, Buyer fails to fulfill the terms of payment of any prior invoice submitted by Seller, or, if in the opinion of Seller, Buyer's financial condition becomes impaired or unsatisfactory to Seller, Seller reserves the right to change, without notice, the terms of payment and/or delay or discontinue further shipments, without prejudice to any other available legal remedies, until all past due obligations have been paid and Seller has received acceptable assurances regarding Buyer's prompt payment of future obligations. Buyer hereby waives any right of setoff against amounts due Buyer from Seller. All amounts due to Seller but not paid by Buyer on the due date bear interest payable at a rate equal to the lesser of (a) one and one-half percent (1.5%) of the outstanding balance per month, or (b) the maximum interest rate permitted under applicable law. Interest accrues on past due amounts as of the date on which such amounts become due until the date Seller receives payment from Buyer. Buyer shall also be liable to Seller for any expenses incidental to collection of past due amounts, including reasonable attorneys' fees and court costs.

(b) For Services: Seller will select appropriate payment terms for Services, in its sole discretion, subject to Seller's review of Buyer's credit. The payment terms shall be communicated to Buyer in writing in Seller's Offer and/or with Seller's written acknowledgment of Buyer's Order. When possible, Seller shall issue invoices to Buyer in advance. Credit terms and performance of work are at all times subject to the approval of Seller's Credit Department.

(c) All amounts due to Seller for Goods and/or Services but not paid by Buyer on the due date bear interest payable at a rate equal to the lesser of (a) one and one-half percent (1.5%) of the outstanding balance per month, or (b) the maximum interest rate permitted under applicable law. Interest accrues on past due amounts as of the date on which such amounts become due until the date Seller receives payment from Buyer. Buyer shall also be liable to Seller for any expenses incidental to collection of past due amounts, including reasonable attorneys' fees and court costs. If Buyer fails to fulfill the terms of payment of any prior invoice submitted by Seller, or if, in the opinion of Seller, Buyer's financial condition becomes impaired or unsatisfactory, Seller reserves the right to change, without notice, the terms of payment and/or delay or discontinue further performance of Services, without prejudice to any other available legal remedies, until past due obligations have been paid and Seller has received acceptable assurance regarding Buyer's prompt payment of future obligations. In the event of Buyer's bankruptcy or insolvency, Seller is entitled to terminate any Order then outstanding and to receive reimbursement for termination costs and expenses pursuant to the Termination for Default Section herein.

**6. TAXES**

The amount of any present or future sales, use, excise, import duty, or other tax applicable to the manufacture, sale, or lease of Goods, or the provision of Services, shall be added to Seller's invoice and shall be the sole responsibility of Buyer, unless Buyer provides Seller a valid tax exemption certificate acceptable to the applicable taxing authority. Seller shall be liable for all employment taxes applicable to Seller's employees.

**7. INSPECTION AND TESTS**

All Goods manufactured by Seller are subject to Seller's standard inspection and quality assurance processes and, if applicable, acceptance testing at Seller's facility. Any additional requirements mutually agreed by the Parties, including, without limitation, Buyer's source inspection or additional testing, shall be at Buyer's sole expense. If Buyer requires inspection by Buyer at Seller's place of manufacture, such inspection shall not unreasonably interfere with Seller's operations. Seller shall give Buyer at least two (2) business days advance notice of availability of Goods for Buyer's inspection. If Buyer fails to perform such inspection within three (3) business days after said notice is received, or such other period as agreed by Seller, Buyer's inspection shall be deemed to have been waived by Buyer.

**8. PACKING AND PACKAGING**

All Goods, including those required for the performance of Services, shall be packed and packaged in accordance with Seller's standard commercial packing and packaging methods. Any nonstandard or special packing or packaging requested by Buyer shall be at Buyer's sole expense.

**9. SHIPPING TERMS, TITLE, AND RISK OF LOSS**

Unless agreed otherwise by Seller in writing, all domestic shipments shall be delivered F.O.B. origin at Seller's shipping dock, and all shipments to locations outside the United States shall be delivered Ex Works to Buyer's designated carrier in accordance with Incoterms 2011. Risk of loss and title to Goods shall pass upon such delivery. Unless otherwise agreed in writing, Seller shall retain title to all software delivered by Seller, or embedded in Seller's products, if applicable, and use of such software by Buyer or third parties shall be conditioned

upon execution of a license agreement or confidentiality agreement between Seller and Buyer. If Seller prepays shipping, insurance, or other related charges, Buyer agrees to reimburse Seller promptly for such charges.

#### **10. EXPORT COMPLIANCE**

The shipment of Goods, provision of Services, and delivery of technical information to Buyer and end-users under Buyer's Order is subject to all decrees, statutes, laws, rules, and regulations which govern export, re-export, or otherwise pertain to export controls and regulations of (a) the United States, including, but not limited to, the U.S. Department of Commerce Export Administration Regulations (EAR) and the U.S. Department of State International Traffic in Arms Regulations (ITAR), (b) the country of Buyer, and (c) the country of the end-user. Buyer agrees to indemnify and hold Seller harmless from any claims or liability arising from Buyer's failure to comply with all such decrees, statutes, laws, rules, and regulations. The Parties each agree to provide to the other in a timely manner such information and assistance as may reasonably be required in connection with securing any required authorizations or licenses. The delivery schedules delineated in Seller's Offer and/or Buyer's Order are calculated from the date of receipt of any required export license(s). Seller shall commence work only after receipt of a valid export license(s) from the appropriate U.S. Government agencies, or other applicable governmental agencies, provided, however, Buyer may, at its sole risk, authorize Seller to commence work under Buyer's Order prior to receipt of an export license. In such case, Buyer agrees that it is fully liable to Seller for all costs incurred by Seller in the performance of Buyer's Order and will reimburse Seller for such costs in the event any required export license or authorization is denied or cancelled, or if any restrictions imposed by the issuing agency render continued performance of Buyer's Order impossible or impracticable. Any Order accepted by Seller which cannot be fulfilled due to law or regulations or Seller's inability to obtain any required export license(s), may be cancelled by Seller. In such case, Seller shall have no liability or obligations to Buyer.

#### **11. DELIVERY SCHEDULES AND FORCE MAJEURE**

Shipping dates are approximate, and require prompt receipt of all necessary Buyer-furnished information and materials, if applicable. Any delay or failure of Seller to perform its obligations under Buyer's Order shall be excused if such delay or failure is the result of an unforeseeable event or occurrence beyond the reasonable control of Seller, and without its fault or negligence, including, but not limited to, acts of God, actions by any governmental authority, terrorism, fires, floods, windstorms, explosions, riots, natural disasters, wars, sabotage, labor problems (including lockouts, strikes, and slowdowns), inability to obtain power, utilities, materials, labor, equipment, transportation, or court injunction.

#### **12. CHANGES**

Buyer may request changes to the general scope of Buyer's Order by a written notice to Seller, provided, however, such changes shall not be effective unless and until Seller consents to such changes in writing. If any such changes cause an increase or decrease in the cost of, or the time required for, the performance of any part of Buyer's Order, an equitable adjustment shall be made to the price and/or delivery schedule, and Buyer's Order shall be modified to reflect such change and adjustment in writing.

#### **13. TERMINATION FOR CONVENIENCE**

Buyer may request cancellation or termination of Buyer's Order for Buyer's convenience, in whole or in part, by providing prior written notice to Seller. Seller agrees to cooperate with Buyer in attempting to effect such cancellation or termination conditioned upon Buyer paying Seller for all Goods delivered and/or Services performed, and for all work in process, including all applicable direct and indirect costs, normal profit on such costs, settlements with suppliers, and related termination expenses. To the extent possible, Seller shall use reasonable commercial efforts to divert materials and work in process from Buyer's Order to other customers' orders.

#### **14. TERMINATION FOR DEFAULT**

Either Party may terminate the Order if the other Party materially breaches a material provision of Buyer's Order. In the event that a Party (the "Breaching Party") is in material breach of a material provision of Buyer's Order, the other Party (the "Non-Breaching Party") shall submit a written cure notice to the Breaching Party advising of such breach. The Breaching Party shall have thirty (30) days from receipt of such notice to cure the breach. If the Breaching Party does not cure the breach within the thirty (30) day cure period, the Non-Breaching Party may terminate Buyer's Order. Either Party may immediately terminate Buyer's Order if the other Party is adjudicated bankrupt, files a petition for bankruptcy, makes an assignment for the benefit of creditors, or if an action under any law for the relief of debtors is taken.

#### **15. LIMITED WARRANTY**

(a) For Goods: Seller warrants that all Goods delivered under Buyer's Order shall be free from defects in material and workmanship, and conform to Seller's specifications for a period equal to (a) twelve (12) months from the date of original shipment for instruments, and (b) ninety (90) days from the date of original shipment for consumables, spare parts, and accessories. This warranty does not apply to any Goods that, upon examination by Seller, are found to have been (a) mishandled, misused, abused, or damaged by Buyer or Buyer's customer, (b) altered from their original state, (c) repaired without Seller's prior written approval, or (d) improperly stored, installed, operated, or maintained in a manner inconsistent with Seller's instructions. This warranty does not apply to defects attributed to normal wear and tear. Seller, at its sole option, shall either repair or replace defective Goods, or issue Buyer a credit for the original price of the defective Goods. Such repair, replacement, or credit by Seller shall be Buyer's sole remedy for defective Goods. Under no circumstances is Seller liable for recall, retrieval, removal, dismantling, re-installation, redeployment, or re-commissioning of any defective Goods or any costs associated therewith. Consumables obtained from third parties shall bear the warranty of their manufacturer. The warranty period for repaired or replaced Goods or re-performed Services shall be the unexpired portion of the original warranty period.

(b) For Services: Seller agrees to perform repair Services and standard preventative maintenance of the equipment specified on the face of Buyer's Order. Seller shall perform the Services (a) in a professional and workmanlike manner, (b) in accordance with applicable professional and industry standards, and (c) in compliance with all applicable laws. Unless agreed otherwise by Seller and specified on the face of Buyer's Order, parts, on-site Service, freight, and travel expenses are not included in the Service fee. Parts supplied under Buyer's Order shall be new or reconditioned and shall meet Seller's specifications for the equipment. Parts that are replaced by Seller become the property of Seller. The determination as to whether to repair or replace equipment or related parts shall be at the sole discretion of Seller. Seller warrants all Services for ninety (90) days after completion unless otherwise mutually agreed by the Parties under a separate Service contract. In the case of defective Services, Seller shall re-perform such Services and such re-performance by Seller shall be Buyer's sole remedy for defective Services.

(c) THESE EXPRESS WARRANTIES, INCLUDING THE REMEDIES SET FORTH HEREIN, ARE EXCLUSIVE AND ARE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS INTENDED OR GIVEN. IN THE CASE OF GOODS OTHER THAN THOSE OF SELLER'S OWN MANUFACTURE, SELLER MAKES NO WARRANTIES, EXPRESS, STATUTORY, OR IMPLIED.

#### **16. RETURN AUTHORIZATIONS**

Buyer's return of defective Goods to Seller is subject to Seller's then current return authorization process and procedures. Buyer shall promptly notify Seller of any nonconformance or defects in Goods, and provide Seller a reasonable opportunity to inspect such Goods. Goods shall not be returned without Seller's prior authorization, as evidenced by a Return Material Authorization (RMA) number issued by Seller. Once a RMA number is obtained, Buyer shall return Goods transportation and insurance prepaid in accordance with instructions issued by Seller. Failure to follow Seller's return authorization procedures may result in lost Goods, delays, additional service, restocking charges, warranty denial, or refusal of a return shipment. The RMA number must appear on the shipping label and all paperwork associated with the return. Buyer shall identify the model or part number, description, and serial number, if applicable, for each of the Goods returned along with an explanation of the nonconformance or defect. Issuance of a RMA number by Seller does not necessarily mean Seller agrees that returned Goods are defective or covered under warranty, or that Goods will be repaired or replaced at no cost to Buyer. If any Goods returned by Buyer are found not to be defective, Buyer shall be so notified and such Goods shall be repaired, replaced, or returned to Buyer at Buyer's option and expense. Such repair or replacement shall not be performed until and unless Buyer issues an Order to Seller authorizing such repair or replacement at Seller's then-current repair or replacement price. In addition, Seller may charge Buyer for any testing or inspection costs. In no event shall Seller retain or store returned Goods for more than six (6) months. Goods repaired or replaced under warranty shall be returned to Buyer at Seller's expense. Seller reserves the right to dispose of Goods returned by Buyer if Buyer fails to pay in a timely manner any applicable evaluation fees for Goods found not to be defective.

Returns of Goods for credit are subject to restocking charges. Typical restocking charges are a minimum of (a) twenty percent (20%) for standard Goods, and (b) twenty five percent (25%) for Goods with standard modifications as offered or made by Seller. Custom Goods are not eligible for return.

#### **17. TOOLING**

Unless agreed otherwise by Seller in writing, all tooling, fixtures, equipment, tools, software, and designs produced, acquired, or used by Seller for the purposes of fulfilling Buyer's Order shall remain the property of Seller.

#### **18. BUYER'S OBLIGATION OF ASSISTANCE (APPLICABLE TO SERVICES)**

To the extent Seller is required to perform Services for Buyer, Buyer shall provide Seller all information reasonably necessary for Seller to perform Services, including any plans, plant layouts, wiring instructions, and operational information. This includes previous studies, reports, or other information relative to the design, installation, and selection of equipment. Buyer shall grant Seller access to its property and other public and private lands, as reasonably required for performance of Services, and facilitate such access. Buyer shall also provide safe storage of Seller's equipment, materials, and tools during the performance of Services at Buyer or Buyer's customer's worksite. Buyer agrees to cooperate as necessary to facilitate Seller's performance of Services. Buyer covenants that it has fully and accurately disclosed to Seller all general and local conditions that may affect Seller's performance of Services. Buyer acknowledges that Seller is entitled to rely on information furnished by Buyer in developing its specifications, equipment selection, price, and in performing Services.

#### **19. SCOPE OF SERVICES**

Service Agreements: In cases where Seller and Buyer enter into a Service Agreement, Seller agrees to perform repair Services and standard preventative maintenance of equipment covered by, and in accordance with, the Warranty/Service Agreement Coverage Summary based upon the specific level of Service Performance purchased by Buyer. During the term of the Service Agreement, Buyer shall request Services either by (i) contacting Seller's Service Center, located in Lincoln, Nebraska, listed at [www.teledynelfi.com](http://www.teledynelfi.com), or (ii) by issuance of an Order or similar instrument authorizing Seller to perform such Services. Buyer shall include the Seller-assigned Incident Number on the face of the Order. Seller shall perform the Services (i) in a professional and workmanlike manner, (ii) in accordance with applicable professional and industry standards, and (iii) in compliance with all applicable laws. The provision of parts, on-site Services, freight, and travel expenses are included in the Service Fees only if specified in on the face Buyer's Order. Parts supplied under the Order will be new or reconditioned and will meet Seller's applicable specifications. Parts that are replaced by Seller shall become the property of Seller. The determination as to whether to repair or replace equipment or related parts will be at the sole discretion of Seller. Buyer will be responsible for freight costs incurred for premium or expedited shipments. Buyer will be responsible for the packing and shipping any defective parts returned to Seller, freight prepaid, within fourteen (14) days of discovery of the defect. Replacements for any parts not returned within such fourteen (14) day period will be invoiced at the part's full list price. Methods development and operator training are not included under the Order. Consumable supplies and accessories are not included under the Order, but may be purchased separately. A list of consumable parts is available on Seller's website at [www.teledynelfi.com](http://www.teledynelfi.com).

#### **20. SERVICE EXCLUSIONS (APPLICABLE TO SERVICES)**

Specifically excluded from coverage under Buyer's Order is any damage beyond control of Seller and any Services or parts required as a result of (a) accident, fire, earthquake, explosion, or flood, (b) neglect or misuse, (c) storage or operation in an adverse climate or unclean environment, (d) unauthorized moving of the equipment, (e) failure of electrical power to remain within the specified limits, (f) repairs or modifications performed by personnel not authorized by Seller, and (g) use other than that for which the equipment is intended pursuant to Seller's specifications.

#### **21. SERVICE HOURS (APPLICABLE TO SERVICES)**

All Services provided under Buyer's Order will be performed at mutually agreeable times during normal working hours (8:30 a.m. to 5:00 p.m., Monday through Friday, excluding holidays observed by Seller) unless otherwise specified in Buyer's Order. Service provided beyond the scope of Buyer's Order will be invoiced to Buyer at Seller's prevailing field service rates, inclusive of applicable travel and living expenses, travel time, and Service labor. No Service will be provided beyond the scope of Buyer's Order without the prior agreement of both Parties. During the term of Buyer's Order, Buyer will provide Seller, or its designated representative's, access to the site where the equipment is located. Should Buyer require Service, please contact one of Seller's Service Centers listed on Seller's website: [www.teledynelfi.com](http://www.teledynelfi.com).

#### **22. SITE APPROVAL (APPLICABLE TO SERVICES)**

Seller's service representative may from time to time inspect the site where the equipment to be serviced is located. Should the site fail to satisfy the requirements of the original installation requirements, including, but not limited to, environmental and electrical specifications, Seller's obligations under Buyer's Order will be suspended until Buyer satisfies the site requirements. Notwithstanding such suspension, Buyer will be obligated to continue paying the Service Fee provided hereunder. In the event Buyer moves the equipment, or any part thereof, from the original site, Seller reserves the right, in addition to all other rights it has with respect to site approval, to adjust the Service Fee effective immediately to reflect any increased Service and/or travel costs and to impose a reinstallation charge for any additional site survey costs or related costs incurred by Seller.

#### **23. PROPRIETARY RIGHTS**

Seller shall retain all right, title, and interest in and to any data, information, software programs, tools, specifications, templates, scripts, ideas, concepts, inventions, works of authorship, products, know-how, processes, techniques, and the like used or developed by Seller, its employees, and its subcontractors in connection with Buyer's Order. Buyer agrees that Seller retains all proprietary rights in and to all products, specifications, designs, discoveries, inventions, patents, copyrights, trademarks, trade secrets, and other proprietary rights relating to Goods or Services. Unless otherwise identified in writing to Seller, no information or knowledge heretofore or hereafter disclosed to Seller in the performance of, or in connection with, the terms hereof, shall be deemed to be confidential or proprietary and any such information or knowledge shall be free from restrictions, other than a claim for patent infringement, as part of the consideration hereof.

#### **24. PATENT, COPYRIGHT, AND TRADEMARK INDEMNIFICATION**

Seller shall hold harmless and indemnify Buyer against all third party claims, judgments, costs, and fees, including attorney fees, relating to infringement of any patent, copyright, trademark, or design to the extent that (a) the infringing Goods are manufactured, sold, or used, in whole or in part, pursuant to Seller's specifications, designs, drawings, or other technical data, and (b) provided that Buyer notifies Seller in writing of any such claim as soon as reasonably practicable, and allows Seller to control, and reasonably cooperates with Seller in the defense of any such claim and related settlement negotiations. To the extent that any Goods are held by a court of competent jurisdiction or are believed by Seller to infringe or otherwise violate a third party's proprietary rights, Seller may, at its option and expense, either (a) modify the affected Goods to be non-infringing, or (b) obtain for Buyer a license to continue using such Goods on substantially the same terms set forth herein, or, if neither of the foregoing alternatives is reasonably available to Seller, (c) Seller may require Buyer to return the infringing Goods and all rights thereto, and refund to Buyer the price paid to Seller by Buyer for the infringing Goods. Seller shall have no obligation under this provision to the extent any claim is based on (a) modifications of Goods or deliverables by a party other than Seller or Seller's authorized representative, (b) the combination, operation, or use of Goods with equipment, devices, software, or data not supplied by Seller, (c) the use or installation of Goods in an environment for which Goods were not intended, (d) Buyer's failure to use updated or modified versions of Goods provided by Seller, or (e) the negligent acts or omissions or willful misconduct of Buyer, its employees, representatives, or affiliates. This Section, and the indemnification provided herein, does not apply to any Goods manufactured, sold, or used, in whole or in part, pursuant to Buyer's specifications, designs, drawings, or other technical data. THE FOREGOING CONSTITUTES THE ENTIRE LIABILITY OF SELLER AND BUYER'S SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO ANY CLAIMS OF INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

#### **25. CONFIDENTIALITY**

Each Party (the "Receiving Party") shall keep confidential and not directly or indirectly disclose to any third party any Confidential Information, as defined herein, furnished to it by the other Party (the "Disclosing Party") in connection with Seller's Offer and/or Buyer's Order without the Disclosing Party's prior written consent. "Confidential Information" includes, but is not limited to, business, financial, statistical, and commercial information, pricing, technical data and information, formulae, analyses, trade secrets, ideas, methods, processes, know how, computer programs, designs, data sheets, schematics, configurations, and drawings. Confidential Information does not include information that (a) is or becomes generally available to

the public other than as a result of disclosure by Receiving Party, (b) was available on a non-confidential basis prior to its disclosure by Disclosing Party, (c) is or becomes available to Receiving Party on a non-confidential basis from a source other than Disclosing Party when such source is not, to the best of Receiving Party's knowledge, subject to a confidentiality obligation with Disclosing Party, or (d) was independently developed by Receiving Party without reference to the Confidential Information, and Receiving Party can verify development of such information by written documentation.

#### **26. INDEMNIFICATION**

Each Party (the "Indemnifying Party") agrees to indemnify, defend, and hold harmless the other Party, its officers, directors, and employees (the "Indemnified Party") from and against any and all liabilities, losses, expenses, liens, claims, demands, and causes of action ("Claims") for death, personal injury, or property damage arising out of any negligent act or omission of the Indemnifying Party in the performance of Buyer's Order, except to the extent such Claims are contributed to by (a) the negligence or willful misconduct of the Indemnified Party or of any third parties. Buyer agrees to indemnify, defend, and hold harmless Seller, its officers, directors, and employees for any and all Claims, including Claims asserted by third parties, related to any Goods manufactured or Services performed in whole or in part to Buyer's designs or attributed to equipment, information, or materials furnished by Buyer to Seller. The Indemnified Party agrees to (a) notify the Indemnifying Party in writing of any Claims as soon as reasonably practicable, (b) allow the Indemnifying Party to control the defense of any such Claim and related settlement negotiations, and (c) reasonably cooperate with the Indemnifying Party in such defense.

#### **27. LIMITATION OF LIABILITY**

Notwithstanding any other provision herein, under no circumstances shall either Party be liable to the other for any consequential, special, incidental, indirect, multiple, administrative, or punitive damages, or any damage of an indirect or consequential nature arising out of or related to its performance under Buyer's Order, including, without limitation, loss of use, loss of revenues, loss of anticipated profits, and cost of capital, whether based upon breach of Buyer's Order, warranty, negligence, or any other type of claim, and whether grounded in tort, contract, civil law, or other theories of liability, including strict liability, even if advised in advance of the possibility of such damages. Each Party's total liability to the other Party arising from or related to Buyer's Order, including, but not limited to, its liability for indemnity, defense, and hold harmless obligations, is limited to no more than the amount paid by Buyer to Seller under Buyer's Order. To the extent that this limitation of liability conflicts with any other Section or provision herein, such provision shall be regarded as amended to whatever extent required to make such provision consistent with this clause.

#### **28. INSURANCE**

Seller agrees to carry and maintain the following insurance from reputable carriers: (a) Commercial General Liability Insurance with a combined single limit of not less than \$1,000,000 per occurrence and in the aggregate, and (b) Statutory Coverage Workers' Compensation Insurance (including Occupational Disease Coverage) in accordance with the laws of the State(s) where the Services will be performed. Upon Buyer's request, Seller shall provide Buyer with certificates of insurance issued by the carriers evidencing the above coverages prior to commencement of Services.

#### **29. ETHICS AND VALUES**

Seller is committed to uncompromising ethical standards, strict adherence to laws and regulations, and customer satisfaction. Buyer is encouraged to communicate any concerns or questions regarding the ethics and values of Seller to the Teledyne Corporate Ethics Help Line at 1-877-666-6968.

#### **30. ORDER OF PRECEDENCE**

The following order of precedence shall apply in the event of an inconsistency within Buyer's Order and its related documents, as applicable:

- (a) Seller's Special Terms and Conditions
- (b) Seller's Terms and Conditions of Sale
- (c) Specifications
- (d) Statement of Work or Scope of Services

#### **31. GOVERNING LAW AND VENUE**

The performance of the Parties, and any judicial or arbitration proceedings, shall be construed and governed in accordance with the laws of the State of Nebraska, United States of America, excepting its laws and rules relating to conflict of law. Neither (a) the United Nations Convention on Contracts for the International Sale of Goods, (b) the 1974 Convention on the Limitation Period in Contracts for the International Sale of Goods (hereinafter referred to as the "1974 Convention"), nor (c) the Protocol Amending the 1974 Convention held at Vienna, Austria, on April 11, 1980, apply in any manner to the interpretation or enforcement of Seller's Offer, or Buyer's Order.

#### **32. DISPUTES AND ARBITRATION**

The Parties shall attempt to resolve any dispute, controversy, or claim arising under or relating to Seller's Offer or Buyer's Order, or to a material breach, including its interpretation, performance, or termination. If the Parties are unable to resolve such dispute, either Party may refer the dispute to arbitration. The arbitration shall be conducted in English and in accordance with the Commercial Rules of the American Arbitration Association, which shall administer the arbitration and act as appointing authority. The arbitration, including the rendering of the decision and/or award, shall take place in Lincoln, Nebraska, United States of America, and shall be the exclusive forum for resolving the dispute, controversy, or claim. The arbitrator shall make the final determination as to any discovery disputes between the Parties. Examination of witnesses by the Parties and by the arbitrator shall be permitted. A written transcript of the hearing shall be made and furnished to the Parties. The cost of this transcript shall be borne equally by the Parties. The award or decision of the arbitrator shall state the reasons upon which the award or decision is based, and shall be final and binding upon the Parties. The prevailing Party shall be entitled to compensation for the expense of the arbitration, including, but not limited to, the award of attorneys' fees, at the discretion of the arbitrator. Both Parties waive their right to any appeal under any system of law. The award shall be enforceable before any court of competent jurisdiction upon the application to such court by either Party. The arbitrator shall have no authority to award any of the types of damages excluded hereunder, and shall be so instructed by the Parties.

#### **33. RELATIONSHIP OF THE PARTIES**

Each Party is an independent contractor. Neither Party shall have authority to bind the other except to the extent authorized herein. This Agreement is not intended by the Parties to constitute or create a joint venture, pooling arrangement, partnership, or formal business organization of any kind. The Parties shall act as independent contractors at all times, and neither Party shall act as an agent for the other, and the employees of one shall not be deemed employees of the other.

#### **34. MODIFICATIONS TO ORDER**

Buyer's Order may only be modified by written instrument signed by duly authorized representatives of the Parties.

#### **35. NOTICES**

All notices given by the Parties shall be made in writing, and delivered personally or sent by prepaid mail (by air-mail if the notice is being communicated internationally), or by facsimile, cable, or email addressed to the intended recipient at its address or at its electronic address. Regardless of the method of transmittal, the sending Party is responsible for obtaining a return receipt for the notice, demand, or communication.

#### **36. ASSIGNMENT**

Neither Party may assign, delegate, sublicense, or transfer, whether by operation of law or otherwise, their obligations or rights hereunder without the other Party's written consent and any assignment, delegation, sublicense, or transfer (a) without such written consent is void and of no effect and, (b) if consent is given, shall be binding upon, and inure to the benefit of the successors and assigns of the Parties. Notwithstanding any provision of these terms and conditions, Seller may, without Buyer's consent, subcontract work to be performed under Buyer's Order or assign Buyer's Order to a parent, subsidiary, or affiliate company of Seller. In addition, without securing such prior consent, Seller shall have the right to assign Buyer's

---

Order to any successor, by way of merger or consolidation, or the acquisition of substantially all of the entire business and assets of Seller relating to the subject matter of Buyer's Order, provided that such successor shall expressly assume all of the assignor's obligations and liabilities under Buyer's Order, and provided further that Seller shall remain liable and responsible to Buyer for the performance and observance of all such obligations.

**37. WAIVER; REMEDIES; COSTS**

None of the Sections, terms, conditions, or provisions herein shall be waived by any act or knowledge on the part of Seller, except by written instrument signed by a duly authorized representative of Seller. The waiver by Seller of any term, condition, provision, or right hereunder or the failure to enforce at any time any of the terms and conditions herein, or any rights with respect thereto, is not a continuing waiver or a waiver of any other rights, or of any material breach or failure of performance of Buyer. The remedies herein reserved or created for Seller shall be cumulative, and additional to any other or further remedies provided at law or in equity. Seller may remedy any breach of the terms or conditions hereof without waiving the breach remedied, or without waiving any other prior or subsequent breach. Buyer shall pay all Seller's costs and expenses, including attorney's fees, incurred by Seller in exercising any of its rights or remedies hereunder or enforcing any of the terms or conditions hereof.

**38. SEVERABILITY**

If any term, condition, or provision herein is invalid, ineffective, or unenforceable under present or future laws, then the remainder of the terms, conditions, and provisions shall remain in full force and effect, and shall in no way be affected, impaired, or invalidated.

**39. PARTIES**

The Parties to any Offer, Order, or associated transaction are Seller and Buyer as identified above and unless expressly stated otherwise, herein, no other persons, parties, or entities have any rights, or receive any benefits hereunder. No other Teledyne subsidiaries, affiliates, or business units, other than Seller, have any obligations or duties hereunder and are unrelated third parties for all purposes.

**40. HEADINGS**

The headings used herein are for reference purposes only and shall not affect the meaning or interpretation of any term, condition, or provision herein.

**41. ENTIRE AGREEMENT**

These terms and conditions (including Seller's Special Terms and Conditions, as applicable) and Buyer's Order (as accepted by Seller in accordance with the terms herein), including any applicable specifications, statement of work, or other applicable documents constitute the entire agreement between the Parties and supersede any prior oral or written agreements, commitments, understandings, or communications with respect to the subject matter of Buyer's Order.

**42. SURVIVAL**

Notwithstanding anything else contained herein to the contrary, the Parties agree that the provisions of the following Sections shall survive the expiration or termination of Buyer's Order: Sections 5. Payment Terms; 6. Taxes; 10. Export Compliance; 13. Termination for Convenience; 14. Termination for Default; 15. Limited Warranty; 16. Return Authorizations; 23. Proprietary Rights; 24. Patent, Copyright, and Trademark Indemnification; 25. Confidentiality; 26. Indemnification; 27. Limitation of Liability; 31. Governing Law and Venue; 32. Disputes and Arbitration; 33. Relationship of the Parties; 35. Notices; 39. Parties; and 42. Survival.

- End of Document -