

Date: Friday, September 20, 2024
From: Jennifer Severson, Grants & Compliance Manager
Subject: Bid Prices for Automation Sensors


To Whom It May Concern:

The enclosed materials are being submitted to your firm requesting bid prices for equipment items. The bid proposal form and bid documents are also available for download at the following website address: <http://www.lakeareatech.edu/bids>. This is a request for prices only and is not an order for shipment.

The bid opening is scheduled on Wednesday, October 2, 2024, at 3 p.m. in Conference Room 420 in the Lake Area Tech Student Center and is open to the public. Please submit the bid proposal form and supporting documentation in a sealed envelope with the bidder name and address and the words "**Automation Sensors Bid**" clearly identified on the envelope prior to the bid opening date and time to:

Jennifer Severson, Grants & Compliance Manager
Lake Area Technical College
1201 Arrow Avenue
PO Box 730
Watertown, SD 57201

Thank you for your interest.


Jennifer Severson



**WATERTOWN SCHOOL DISTRICT NO. 14-4
1201 ARROW AVENUE, P.O. BOX 730
WATERTOWN, SOUTH DAKOTA 57201**

BID PROPOSAL FORM – Automation Sensors

As per the General and Detailed Bid Specifications provided by the Watertown School District in reference to the purchase of Automation Sensors for Lake Area Technical College’s Robotics program, our company offers the following bid, which will remain in effect for a minimum of 45 days from the bid opening date of Wednesday, October 2, 2024, at 3 p.m.

BASE BID(S):

LATC intends to purchase multiple Automation Sensors, budget permitting. If purchasing multiple items results in cost savings, please provide additional information in the Notes below. Refer to attached General and Detailed Specifications for more details. *Please provide per item pricing except where noted as total below.*

IO-Link Master Module	\$ _____ /item
Miniature Photoelectric Sensor	\$ _____ /item
Self-Contained Metal Photoeye	\$ _____ /item
Self-Contained Laser Sensor	\$ _____ /item
Radar Type Level Sensor	\$ _____ /item
Smart Camera	\$ _____ /item
Self-Contained Full Spectrum Sensor	\$ _____ /item
Additional Cabling & Accessories	\$ _____ /total

*Use additional pages, if needed

Notes in relation to the above price quote:

SUBMITTED BY:

Company _____

Address _____

City/State/Zip _____

Contact Name _____ Title _____

Phone _____ Email _____

Submission Date _____

GENERAL SPECIFICATIONS

September 20, 2024

1. Sealed bids for furnishing a Automation Sensors will be received by the School Board of Watertown School District No. 14-4 of Codington County, South Dakota, up until 3 p.m. on Wednesday, October 2, 2024, at the Administrative Offices at the Lake Area Technical College, 1201 Arrow Ave., PO Box 730, Watertown, South Dakota. Please contact Jennifer Severson, Grants & Compliance Manager, at (605) 882-5284, ext 253, for any questions you may have regarding the bid documents or process. All bids will be opened and tabulated at said time, referred for study and acted upon by the School Board at its next scheduled meeting.

2. Bidding Form: The School Board requests that bidders use the Bid Proposal Form as prepared by the School District which is entitled "BID PROPOSAL FORM – Automation Sensors." Bidders will be furnished with an electronic copy of said Bid Proposal Form upon request. The bid proposal form and bid documents are also available for download at the following website address: <http://www.lakeareatech.edu/bids>. Please complete and return one (1) copy to Jennifer Severson, Grants & Compliance Manager, 1201 Arrow Avenue, PO Box 730, Watertown, South Dakota 57201. **Bidder should clearly identify on the envelope the bidder name and address and the words "Automation Sensors Bid."**

3. Addenda/Revisions: In the event that it becomes necessary to clarify or revise this Bid Memo, Specifications and/or Attachments, such clarification or revision will be by addendum. Any addenda will become part of the bid package and any contract awarded as a result of the bid opening. All addenda will be available at the following website address: <http://www.lakeareatech.edu/bids>. There are no designated dates for release of addenda. Interested bidders should check the bids website on a daily basis from time of bid package posting through bid opening. It is the sole responsibility of the bidder to be knowledgeable of all addenda related to this procurement.

4. Equal Clause: Where names and model numbers of certain manufacturer's items are mentioned in the Specifications or Bid Proposal Form, other names and model numbers of like nature, utility or merit, may be submitted; but the bidder must furnish complete data to show that their items are equal to that specified. The School Board reserves the right to determine whether the items are of equal value to the items as specified and the right to determine and select the items it feels are most suitable to the needs of the District. If bidder is bidding a different item than the specified, the bidder shall indicate the make and model numbers of like nature, utility or merit may be submitted; but the bidder must furnish complete data to show that their items are equal to that specified.

5. Awarding of Contracts: The board reserves the right to contract with the lowest responsible bidder whose unit bid price per item is lowest. Bidders are requested to extend the unit bid price per item to the total price per item for the quantity specified in the space provided on the Bid Proposal Form.

6. Time of Delivery: All items shall be delivered and/or received before November 22, 2024. If additional time is needed, indicate the requested date on the bid proposal form. Winning bid must coordinate equipment delivery or pick up with LATC.

7. Guarantee: The successful bidder shall guarantee said items against defects in materials and workmanship for a minimum period of one year from the date of delivery. All items bid shall be the latest model of manufacture as indicated by serial number. This paragraph not applicable to used equipment.

8. Applicable Taxes: Bid amounts must include all applicable taxes. Typically, the District is exempt from State, County or Municipal sales tax. Exemption Certificates will be furnished by the Lake Area Technical College upon request.

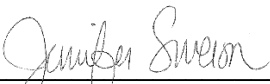
9. State Sales Tax Requirement: Public corporations in South Dakota, such as the Watertown School District, may not purchase goods or services from any retailer who fails or refuses to collect and remit sales tax.

10. The School Board reserves the right to reject any and all bids and to waive informalities.

11. By virtue of statutory authority, preference will be given to contractors, labor, materials, products, and supplies found or produced within the State of South Dakota in a manner provided by law.

Watertown School District No. 14-4
Of Codington County, South Dakota

Lake Area Technical College

By 
Jennifer Severson, Grants & Compliance Manager

DETAILED SPECIFICATIONS

Automation Sensors
Lake Area Technical College

In addition to the "GENERAL SPECIFICATIONS" provided, the following, more detailed requirements are set forth for supplying the proposed Automation Sensors for Lake Area Technical College's Robotics program. Please contact Jennifer Severson, Grants & Compliance Manager, at (605) 882-5284, ext 253, for any questions you may have regarding the bid documents or process.

QUANTITY:

Lake Area Technical College intends to purchase multiple Automation Sensors to satisfy the specifications included in Attachment A.

BASE BID:

The base bid shall include Automation Sensors with capabilities as outlined in Attachment A.

EQUAL QUALITY AND FUNCTIONALITY CLAUSE:

Bidder must furnish complete data to show that their items are equal to that specified in quality, performance, and functionality. The School Board reserves the right to determine whether the items are of equal quality, performance, and functionality to the items as specified and the right to determine and select the items they feel are most suitable to the needs of the District.

SERVICE AGREEMENT:

All proposals must outline a service agreement which provides timely replacement or repair of defective or damaged items. Bidder must provide service agreement which allows any item to be repaired or replaced within seven days of notification.

Watertown School District No. 14-4
Of Codington County, South Dakota

Lake Area Technical College

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ATTACHMENTS:

- A. Automation Sensor Specifications

Attachment A: Automation Sensor Specifications

Preferred Manufacturer Keyence

**Please note Equal Clause in General Specifications*

Quantity See detail below

Sensors (required)

- IO-Link Master Module, qty 20, Item # NQ-EP4L, EtherNet/IP compatible 4 ports
- Miniature Photoelectric Sensor, qty 20, Item # PR-FB15P3, Reflective, 15mm, PNP, 3m cable
- Self-Contained Metal Photoeye, qty 20, Item # PR-G51CBD, Thrubeam, 30m, 4-pin M12, PNP/NPN
- Self-Contained Laser Sensor, qty 20, Item # LR-ZH490CB, 490mm range, M12 4-pin, Bipolar
- Radar Type Level Sensor 1, qty 3, Item #FR-S01, FR short-range type with display
- Smart Camera, qty 2, Item # IV4-500CA, Standard FOV color type
- Self-Contained Full Spectrum Sensor, qty 3, Item #LR-W500C, 500mm range, M12 connector type

Additional Cabling & Accessories (required)

- Radar Type Level Sensor Cable, qty 3, Item # OP-88893, M12, 8-pin, straight, 2m cable
- Radar Type Level Sensor Mounting Bracket, qty 3, Item # OP-88872
- Safety Interlock - Power to Lock, qty 7, Item #GS-M51P, Standard, Hinged, 8-pin, PNP, M12, 500N
- Safety Light Curtain, qty 2, Item # GL-R31F, 14mm resolution, 31 beam, 324mm
- Power cable (2m), qty 2, Item # IV4-500CA
- Cable-Vision Sensor, qty 2, Item #OP-88835 (IV), Ethernet cable, M-12-RJ45, 2m
- PC Software, 2 qty, Item # IV-H1SN, IV Smart Navigator
- Safety Laser Scanner, 1 qty, Item # SZ-V04X, SZV int. system, multi-OSSD, camera
- Safety Controller, 2 qty, Item GC-1000, Standard type
- USB Cable, 1 qty, Item # OP-51580, USB cable (plug A-mini B), 2m length
- Safety Laser Scanner Cable, 1 qty, Item # SZ-VP5, SZV power cable, 5 m
- Safety Laser Scanner Cable, 1 qty, Item SZ-VPC03S, SZ-V to GC link, .3m, simple function
- Safety Laser Scanner Cable, 1 qty, SZ-VCC7, SZ-V to GC link extension cable, 7m
- Safety Laser Scanner Cable, 1 qty, SZ-VCG03, GC link cable for SZ-V, .3m
- Safety Light Curtain Bracket, 2 qty, Item # GL-RB01, adjustable angle mounting bracket
- Safety Light Curtain Cable, 2 qty, Item #GL-RP5PS, 7-core, PNP, 5m length
- Safety Interlock Actuator, 7 qty, Item #GS-MA5M, hinged, low coding, 500N
- Lock Type Safety Interlock Bracket, 7 qty, Item #GS-MB11, Fame size: 1.18"-1.57" for GS-M5
- Safety Interlock Switch Cable, 7 qty, Item # GS-P8C5, Standard, 8-pin, M12, 5m
- Cable M12, 10 qty, Item # OP-75721, Straight, 2m, PVC
- Quick Disconnect Cable, 10 qty, Item #OP-85504, M12 to M12, 4-pin, 5m length

Freight/delivery, installation and warranty must be included in bid pricing.