

Request for Quotation

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| RFQ Number | 001486 |
| Date Issued | January 29, 2020 |
| Closing Date | February 7, 2020; 2:00pm local time |
| Procurement Officer | Brad Stefanoni; 620.235.4169; bstefanoni@pittstate.edu |
| Item | Total Station |
| Agency & Location | Pittsburg State University (PSU) in Pittsburg Kansas |
| Scope | Pittsburg State University is seeking quotations for two (2) FX 103 Sokkia Total Stations. |
| Bid Submittal | Submit bid by e-mail to bstefanoni@pittstate.edu |

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| <ol style="list-style-type: none"> 1. When communicating, always refer to the Quotation number above. 2. In order to receive consideration for award, one copy of this “Request for Quotation,” a properly completed and signed, must be returned to Pittsburg State University no later than the specified closing time. The University is not responsible for late bids. 3. All prices, terms, and conditions must be shown. Additions or conditions not shown on this bid will not be allowed. 4. Prompt payment discounts will not be considered in determining the low bid. 5. Prices quoted shall be less Federal Excise and State Sales taxes. 6. The PSU Director of Purchasing reserves the right to accept or reject any part of this quotation. 7. Bid results will not be given to individuals over the phone. Written bid results may be obtained by written request from the procurement officer. 8. Contractual Provisions Attachment DA-146a applies to all bids. 9. It is hereby agreed that the bidder will, if required by law, comply with the Kansas Act Against Discrimination, K.S.A. 44-1030 et. Seq. 10. PSU reserves the right to award in the best interest of the university. |
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|--------------------|--|
| Vendor Name | |
|--------------------|--|

Pittsburg State University is seeking quotations for two (2) FX 103 Sokkia Total Stations per the following specifications AND the attached four (4) pages of specification sheets:

| Qty | Unit | Description of Material or Service | Unit Price | Total Price |
|------------------------|------|---|------------|-------------|
| 2 | each | FX 103 Sokkia Total Stations with following specification: <ul style="list-style-type: none"> • Must be dual screen • Must include the MAGNET Field software • PLEASE SEE ATTACHED FOUR (4) PAGES OF SPECIFICATION SHEETS | | |
| | | **ALL SHIPPING COSTS ARE TO BE INCLUDED IN THIS QUOTATION | | |
| TOTAL BID PRICE | | | | |

Contact person for technical questions prior to submitting quote is Jim Otter: 620-235-4349 or jlotter@pittstate.edu.

General Provisions/Signature

Tax Clearance Certification: Bid submittals of \$25,000 or more shall include a copy of a Tax Clearance Certification. Tax Clearances may be obtained from the Kansas Dept. of Revenue (KDOR):

<http://www.ksrevenue.org/taxclearance.html>

W9 Form: Vendors who are new to PSU should submit a copy of their W9 with bid response. The form can be downloaded at www.irs.gov/pub/irs-pdf/fw9.pdf

DA-146a Contractual Provisions: The bidder agrees to accept the provisions of form DA-146a, Contractual Provisions Attachment which is incorporated into all contracts with the State <http://www.da.ks.gov/purch/DA-146a.pdf>

NEW MATERIALS, SUPPLIES, OR EQUIPMENT: Unless otherwise specified, all materials, supplies or equipment offered by a vendor shall be new, and unused in any regard. All materials, supplies and equipment shall be first class in all respects. Seconds or flawed items will not be acceptable. All materials, supplies or equipment shall be suitable for their intended purpose and, unless otherwise specified, fully assembled and ready for use on delivery.

COMPARABLE PRODUCTS: Bids on comparable products are invited. Indicate appropriate items, brands, model numbers, and specifications. Minor deviations in size and operational characteristics from those set forth in the specification will be considered when such deviations do not alter nor deter Pittsburg State University from accomplishing its intended usage or function. **Each bidder must clearly indicate in writing where (if any) their product characteristics deviate from these specifications and explain how their product accomplishes the desired function even though product characteristics may be different.**

ACCEPTANCE OR REJECTION: PSU reserves the right to accept or reject any or all bids or part of a bid; to waive any informalities or technicalities; clarify any ambiguities in bids; and unless otherwise specified, to accept any item in the bid.

PAYMENT: Payment will be made upon receipt of shipment by PSU.

FREIGHT COST INFORMATION: FOB Destination, Freight Prepaid, and Allowed.

The undersigned certifies that he does not have any substantial conflict of interest sufficient to influence the bidding process on this bid. A conflict of substantial interest is one which a reasonable person would think would compromise the open competitive bid process.

- Legal Name of Person, Firm or Corporation:
- Payment Terms:
- Telephone Number:
- E-mail Address:
- **Signature:** _____
- **Date:** _____

SOKKIA

FX Series

Functional X-ellence Station

Totally Functional

- **Windows® CE is Ready In a Lightweight, Compact Body**
- **MAGNET™ Field On-Board Application Software**
- **RED-tech Technology Reflectorless EDM**
- **LongRange Data Communication***
- **Advanced Angle Measurement System**
- **Long-lasting Battery**
- **Waterproof, Rugged, and Operator Friendly Design**

*Offered as an option in some areas.



**Exclusive
TSshield
technology built-in**

World's First
Integrated support service

The FX Total Station Offers High

World's First
integrated support service

TSshield

The industry first! New function to protect your investment

TSshield is a standard feature on all new model of SOKKIA total stations. Its advanced communication system provides new opportunities to secure and maintain your instrument.

*For more detail of TSshield, please refer to the TSshield's leaflet. This service may not be available in some areas.



■ Windows® CE is Ready in a Lightweight, Compact Body

- Windows® CE 6.0 provides a comfortable operating environment.
- Completely new onboard application software "MAGNET™ Field" is installed as standard feature.

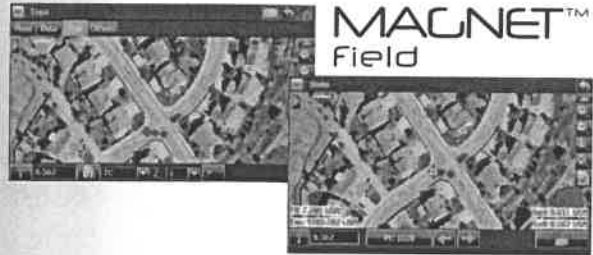
■ MAGNET™

● Cloud-based Solutions for Precise Positioning

MAGNET™ is a software family that uses the "cloud" for seamless data connection between the field and office, in Real-time, when and where you need, for data exchange, communications, asset tracking and more.

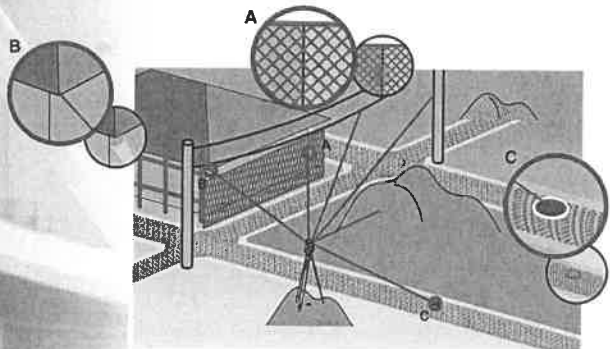
● MAGNET™ Field

Powerful on-board software that covers full functions for surveying and engineering tasks. MAGNET™ Field handles data collection, stake out, roads and coordinate geometry.



■ RED-tech Technology Reflectorless EDM

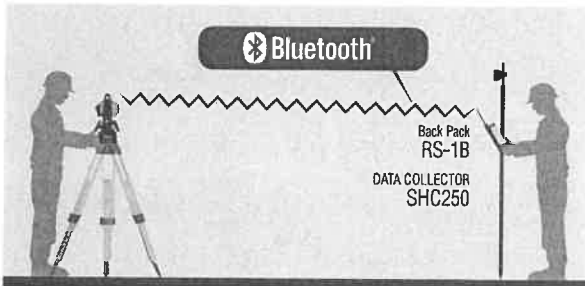
- Fast distance measurement of 0.9s.
- SOKKIA traditional pinpoint precision in reflectorless distance measurement.
- Reflectorless operation from 30cm to 500m.
- Coaxial EDM beam and laser-pointer provide fast and accurate aiming.
- Ensures accuracy even with reflective sheets.



The ultra-narrow EDM beam can precisely measure walls, corners, manholes on the road surface, even chain-link fences and tree branches.

Performance in a Compact Size.

■ LongRange Data Communication*



- The FX series of total stations features **Bluetooth®** Class1 wireless technology for reliable data communications.
- All FX data is instantly available at the Bluetooth-equipped controller.

*Offered as an option in some areas.

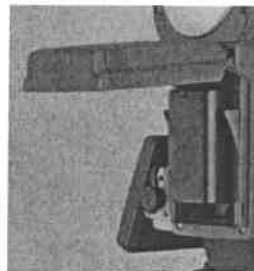
■ Advanced Angle Measurement System

- FX features SOKKIA's original absolute encoders that provide long-term reliability in any job site condition. Dual-axis compensator ensures stable measurements even when setup on uneven terrain.
- Sokkia's traditional motion clamp and tangent screw are employed to ensure stable angle measurement.
- FX-101 and FX-102 feature groundbreaking IACS (Independent Angle Calibration System) technology for extremely reliable angle measurement.



■ Long-lasting Battery

- Uses the same high capacity battery as MDTs and GNSS.
- One battery provides 20 hours of power.



■ Waterproof, Rugged, and Operator Friendly

- IP65 dustproof / waterproof rating.
- Metal chassis and heavy duty handle.
- Standard usage temperature range -20 to +60°C. Optional low temperature models can be used as low as -30°C.



- New star key [★] instantly brings up functions.
- Trigger key lets you take a series of measurements without taking your eye off the telescope.
- Control panel consists of 10-key pad with color LCD touch screen display.*1
- USB type A / mini B as well as serial ports.



- Green / Red telescope guide light enhances stake-out work efficiency in a range up to 150m.



- Built-in laser plummet with five brightness levels is equipped for quick instrument setting in all lighting conditions.*2

*1 Face 2 is only touch screen display. Control panel configuration may vary depending on region or model.

*2 Offered as an option in some areas.

FX Series

FX-101/FX-102/FX-103/FX-105/FX-107

Functional X-ellence Station

SPECIFICATIONS

| Model | FX-101 | FX-102 | FX-103 | FX-105 | FX-107 |
|--|---|--|---|--------|-------------|
| Telescope | | | | | |
| Magnification / Resolving power | 30x / 2.5" | | | | |
| Others | Length: 171mm (6.7in.), Objective aperture: 45mm (1.8in.) (48mm (1.9in.) for EDM), Image: Erect, Field of view: 1°30' (26m/1,000m), Minimum focus: 1.3m (4.3ft.), Reticle illumination: 5 brightness levels | | | | |
| Angle measurement | | | | | |
| Display resolution | 0.5" / 1" (0.0061 / 0.0002gon, 0.002 / 0.005mil) | | 1" / 5" (0.0002 / 0.001gon, 0.005 / 0.02mil) | | |
| Accuracy (ISO 17123-3:2001) | 1" | | 2" | | 3" |
| IACS (Independent Angle Calibration System) | Provided | | - | | 5" |
| Dual-axis compensator / Collimation compensation | Dual-axis liquid tilt sensor, working range: ±6' (±111mgon) / Collimation compensation available | | | | |
| Distance measurement | | | | | |
| Laser output *1 | Reflectorless mode: Class 3R / Prism / sheet mode: Class 1 | | | | |
| Measuring range (under average conditions**) | Reflectorless*3 | 0.3 to 500m (1.0 to 1,640ft.) | | | |
| | Reflective sheet**4/**5 | RS90N-K: 1.3 to 500m (4.3 to 1,640ft.), RS50N-K: 1.3 to 300m (4.3 to 980ft.), RS10N-K: 1.3 to 100m (4.3 to 320ft.) | | | |
| | Mini prisms | CP01: 1.3 to 2,500m (8,200ft.), OR1PA: 1.3 to 500m (1,640ft.) | | | |
| | One AP prism | 1.3 to 4,000m (4.3 to 13,120ft.) / Under good conditions*: 5,000m (16,400ft.) | | | |
| | Three AP prisms | to 5,000m (16,400ft.) / Under good conditions*: to 6,000m (19,680ft.) | | | |
| Display resolution | Fine/Rapid: 0.001m / 0.01ft. / 1/8in. Tracking: 0.01m / 0.1ft. / 1/2in. | | | | |
| Accuracy*2 (ISO 17123-4:2001) (D=measuring distance in mm) | Reflectorless*3 | (3 + 2ppm x D) mm*7 | | | |
| | Reflective sheet**4 | (3 + 2ppm x D) mm | | | |
| | AP/CP prism | (2 + 2ppm x D) mm | | | |
| Measuring time*8 | Fine: 0.9s (initial 1.7s), Rapid: 0.7s (initial 1.4s), Tracking: 0.3s (initial 1.4s) | | | | |
| OS, Interface and Data management | | | | | |
| Operating system / Application | Microsoft Windows® CE 6.0 / MAGNET Field | | | | |
| Display / Keyboard | 3.5inch, Semi-transmissive TFT QVGA color LCD with LED backlight, Touch screen, Automatic brightness control / 26 keys with backlight | | | | |
| Control panel location*9 | On both faces (Face 2 is only touch screen display) | | | | On one face |
| Trigger key | On right instrument support | | | | |
| Data storage | Internal memory | 500MB internal memory (includes memory for program files) | | | |
| | Plug-in memory device | USB flash memory (max. 8GB) | | | |
| Interface | Serial RS-232C, USB2.0 (Type A / mini B) | | | | |
| Bluetooth modem (option)*10 | Bluetooth Class 1, Ver.2.1+EDR, Operating range: up to 300m (980ft.)*11 | | | | |
| General | | | | | |
| Laser pointer*12 | Coaxial red laser using EDM beam | | | | |
| Guide light*12 | Green LED (524nm) and Red LED (626nm), Operating range: 1.3 to 150m (4.3 to 490ft.)*2 | | | | |
| Levels | Graphic | 6' (Inner Circle) | | | |
| | Circular level | 10' / 2mm | | | |
| Optical plummet | Magnification: 3x, Minimum focus: 0.3m (11.8in.) from tribrach bottom | | | | |
| Laser plummet (option) | Red laser diode (635nm±10nm), Beam accuracy: ±1.0mm@1.3m, Class 2 laser product | | | | |
| Dust and water protection | IP65 (IEC 60529:2001) | | | | |
| Operating temperature*13 | -20 to +60°C (-4 to +140°F) | | | | |
| Size with handle*9 | Control panel on both faces: W191 x D190 x H348mm (W7.5 x D7.5 x H13.7in.) Control panel on one face: W191 x D174 x H348mm (W7.5 x D6.9 x H13.7in.) | | | | |
| Weight with battery & tribrach | Approx. 5.7kg (12.6 lb.) | | | | |
| Power supply | | | | | |
| Battery | BDC70 detachable battery | Li-ion rechargeable battery | | | |
| Operating time (20°C) | BDC70 | Approx. 20hours (single distance measurement every 30 seconds) | | | |
| | External battery*14 (option) | BDC60: approx. 24hours, BDC61: approx. 49hours (single distance measurement every 30 seconds) | | | |

*1 IEC60825-1:Ed.2.0:2007 / FDA CDRH 21 CFR Part 1040.10 and 11 *2 Average conditions: Slight haze, visibility about 20km (12 miles), sunny periods, weak scintillation. *3 Fine mode. With Kodak Gray Card White Side (90% reflective). When brightness on measured surface is 30,000 lx. or less. Reflectorless range/accuracy may vary according to measuring objects, observation situations and environmental conditions. *4 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target. *5 Measuring range in temperatures of -30 to -20°C (-22 to -4°F) with Low Temperature models and 50 to 60°C (122 to 140°F): RS90N-K: 1.3 to 300m (4.3 to 980ft.), RS50N-K: 1.3 to 180m (4.3 to 590ft.), RS10N-K: 1.3 to 60m (4.3 to 190ft.) *6 Good conditions: No haze, visibility about 40km (25 miles), overcast, no scintillation. *7 Measuring range: 0.3 to 200m *8 Typical, under good conditions. Reflectorless measurement time may vary according to measuring objects, observation situations and environmental conditions. *9 Control panel location may vary depending on region or model. *10 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local office or representative in advance. *11 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain. *12 The laser pointer and the guide light do not work simultaneously. *13 Low Temperature models: -30 to 50 °C (-22 to 122°F) are available on built-to-order basis. *14 For FX-101, FX-102 and Low Temperature models.

Standard Accessories

- FX main unit ●Battery (BDC70) ●Battery charger (CDC68) ●Power Cable ●Lens cap ●Lens hood ●Tool pouch
- Screwdriver ●Lens brush ●Adjusting pin x2 ●Cleaning cloth ●Operation manual ●USB memory ●Laser caution sign-board
- Carrying case ●Carrying strap



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CONTRACTUAL PROVISIONS ATTACHMENT

Important: This form contains mandatory contract provisions and must be attached to or incorporated in all copies of any contractual agreement. If it is attached to the vendor/contractor's standard contract form, then that form must be altered to contain the following provision:

The Provisions found in Contractual Provisions Attachment (Form DA-146a, Rev. 07-19), which is attached hereto, are hereby incorporated in this contract and made a part thereof.

The parties agree that the following provisions are hereby incorporated into the contract to which it is attached and made a part thereof, said contract being the _____ day of _____, 20____.

1. **Terms Herein Controlling Provisions:** It is expressly agreed that the terms of each and every provision in this attachment shall prevail and control over the terms of any other conflicting provision in any other document relating to and a part of the contract in which this attachment is incorporated. Any terms that conflict or could be interpreted to conflict with this attachment are nullified.
2. **Kansas Law and Venue:** This contract shall be subject to, governed by, and construed according to the laws of the State of Kansas, and jurisdiction and venue of any suit in connection with this contract shall reside only in courts located in the State of Kansas.
3. **Termination Due To Lack Of Funding Appropriation:** If, in the judgment of the Director of Accounts and Reports, Department of Administration, sufficient funds are not appropriated to continue the function performed in this agreement and for the payment of the charges hereunder, State may terminate this agreement at the end of its current fiscal year. State agrees to give written notice of termination to contractor at least thirty (30) days prior to the end of its current fiscal year and shall give such notice for a greater period prior to the end of such fiscal year as may be provided in this contract, except that such notice shall not be required prior to ninety (90) days before the end of such fiscal year. Contractor shall have the right, at the end of such fiscal year, to take possession of any equipment provided State under the contract. State will pay to the contractor all regular contractual payments incurred through the end of such fiscal year, plus contractual charges incidental to the return of any such equipment. Upon termination of the agreement by State, title to any such equipment shall revert to contractor at the end of the State's current fiscal year. The termination of the contract pursuant to this paragraph shall not cause any penalty to be charged to the agency or the contractor.
4. **Disclaimer Of Liability:** No provision of this contract will be given effect that attempts to require the State of Kansas or its agencies to defend, hold harmless, or indemnify any contractor or third party for any acts or omissions. The liability of the State of Kansas is defined under the Kansas Tort Claims Act (K.S.A. 75-6101, *et seq.*).
5. **Anti-Discrimination Clause:** The contractor agrees: (a) to comply with the Kansas Act Against Discrimination (K.S.A. 44-1001, *et seq.*) and the Kansas Age Discrimination in Employment Act (K.S.A. 44-1111, *et seq.*) and the applicable provisions of the Americans With Disabilities Act (42 U.S.C. 12101, *et seq.*) (ADA), and Kansas Executive Order No. 19-02, and to not discriminate against any person because of race, color, gender, sexual orientation, gender identity or expression, religion, national origin, ancestry, age, military or veteran status, disability status, marital or family status, genetic information, or political affiliation that is unrelated to the person's ability to reasonably perform the duties of a particular job or position; (b) to include in all solicitations or advertisements for employees, the phrase "equal opportunity employer"; (c) to

comply with the reporting requirements set out at K.S.A. 44-1031 and K.S.A. 44-1116; (d) to include those provisions in every subcontract or purchase order so that they are binding upon such subcontractor or vendor; (e) that a failure to comply with the reporting requirements of (c) above or if the contractor is found guilty of any violation of such acts by the Kansas Human Rights Commission, such violation shall constitute a breach of contract and the contract may be cancelled, terminated or suspended, in whole or in part, by the contracting state agency or the Kansas Department of Administration; (f) Contractor agrees to comply with all applicable state and federal anti-discrimination laws and regulations; (g) Contractor agrees all hiring must be on the basis of individual merit and qualifications, and discrimination or harassment of persons for the reasons stated above is prohibited; and (h) if it is determined that the contractor has violated the provisions of any portion of this paragraph, such violation shall constitute a breach of contract and the contract may be canceled, terminated, or suspended, in whole or in part, by the contracting state agency or the Kansas Department of Administration.

6. **Acceptance of Contract:** This contract shall not be considered accepted, approved or otherwise effective until the statutorily required approvals and certifications have been given.
7. **Arbitration, Damages, Warranties:** Notwithstanding any language to the contrary, no interpretation of this contract shall find that the State or its agencies have agreed to binding arbitration, or the payment of damages or penalties. Further, the State of Kansas and its agencies do not agree to pay attorney fees, costs, or late payment charges beyond those available under the Kansas Prompt Payment Act (K.S.A. 75-6403), and no provision will be given effect that attempts to exclude, modify, disclaim or otherwise attempt to limit any damages available to the State of Kansas or its agencies at law, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.
8. **Representative's Authority to Contract:** By signing this contract, the representative of the contractor thereby represents that such person is duly authorized by the contractor to execute this contract on behalf of the contractor and that the contractor agrees to be bound by the provisions thereof.
9. **Responsibility for Taxes:** The State of Kansas and its agencies shall not be responsible for, nor indemnify a contractor for, any federal, state or local taxes which may be imposed or levied upon the subject matter of this contract.
10. **Insurance:** The State of Kansas and its agencies shall not be required to purchase any insurance against loss or damage to property or any other subject matter relating to this contract, nor shall this contract require them to establish a "self-insurance" fund to protect against any such loss or damage. Subject to the provisions of the Kansas Tort Claims Act (K.S.A. 75-6101, *et seq.*), the contractor shall bear the risk of any loss or damage to any property in which the contractor holds title.
11. **Information:** No provision of this contract shall be construed as limiting the Legislative Division of Post Audit from having access to information pursuant to K.S.A. 46-1101, *et seq.*
12. **The Eleventh Amendment:** "The Eleventh Amendment is an inherent and incumbent protection with the State of Kansas and need not be reserved, but prudence requires the State to reiterate that nothing related to this contract shall be deemed a waiver of the Eleventh Amendment."
13. **Campaign Contributions / Lobbying:** Funds provided through a grant award or contract shall not be given or received in exchange for the making of a campaign contribution. No part of the funds provided through this contract shall be used to influence or attempt to influence an officer or employee of any State of Kansas agency or a member of the Legislature regarding any pending legislation or the awarding, extension, continuation, renewal, amendment or modification of any government contract, grant, loan, or cooperative agreement.