



Esri
380 New York Street
Redlands, California 92373-8100
Phone: 909-793-2853, ext. 1-4441
Fax: 909-307-3046



Spike Smart Laser Measurement Solution for use with [Survey123 for ArcGIS](#)



Boost field productivity and data capture with Spike and Esri's Survey123 for ArcGIS®

Spike is a smart laser measurement solution for all types of geospatial applications that seamlessly integrates with Esri's Survey123. Survey123 is a simple and intuitive form-centric data gathering app for creating, sharing, and analyzing surveys. Integrating Spike with Survey123 allows you to quickly and easily measure areas, heights, widths, and the offset location of the objects you need to document, simply by taking a photo with your smartphone or tablet, all within the Survey123 app.

- Spike provides a photo verifiable record of the feature being measured, delivering increased confidence in field surveys and measurements.
- Spike allows you to measure distant objects that are either difficult or not possible to reach.
- Typical ROI on Spike is 3-5 uses in the field.



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Pricing

Item #	Package	Unit Price
164323	Ten (10) Spike Laser Measurement Devices* Smartphone and Tablet versions are available. Please specify if all devices are Smartphone or Tablet versions or a combination of the two.	\$4,990
Add-on Package <i>(not sold separately)</i>		
164324	Nite Ize Carry Case Fits All Holsters for Smartphone version only . This item can only be ordered at the same time as Spike Laser Measurement Devices being ordered. <i>Protect and easily carry your Spike with the Nite Ize Fits All Vertical XL Holster. This Holster fits the Spike for Smartphones when the Spike device is not mounted to a smartphone or tablet.</i>	\$14

*Esri cannot sell in quantities less than ten. If more than ten (10) unit are desired, please contact EsriHWRequest@esri.com for a quote. If purchases under ten (10) units are desired, please contact james.pardue@ikegps.com.

What is Spike?

Spike is a smart laser measurement solution for all types of industries and professional use. Spike brings new functionality to your smartphone or tablet by turning it into a powerful multi-tool measurement solution. Spike enables you to measure and GPS locate an object from a distance simply by taking a photo with your smartphone or tablet. From that photo, you can capture real-time measurements including:

- Area measurement of a feature;
- Linear measurement of a feature;
- Distance to target or feature;
- Elevations;
- Distances between two points; and
- GPS location of a feature with a distance offset.

The Spike laser device works with both Apple iOS and Google Android smartphones and tablets.

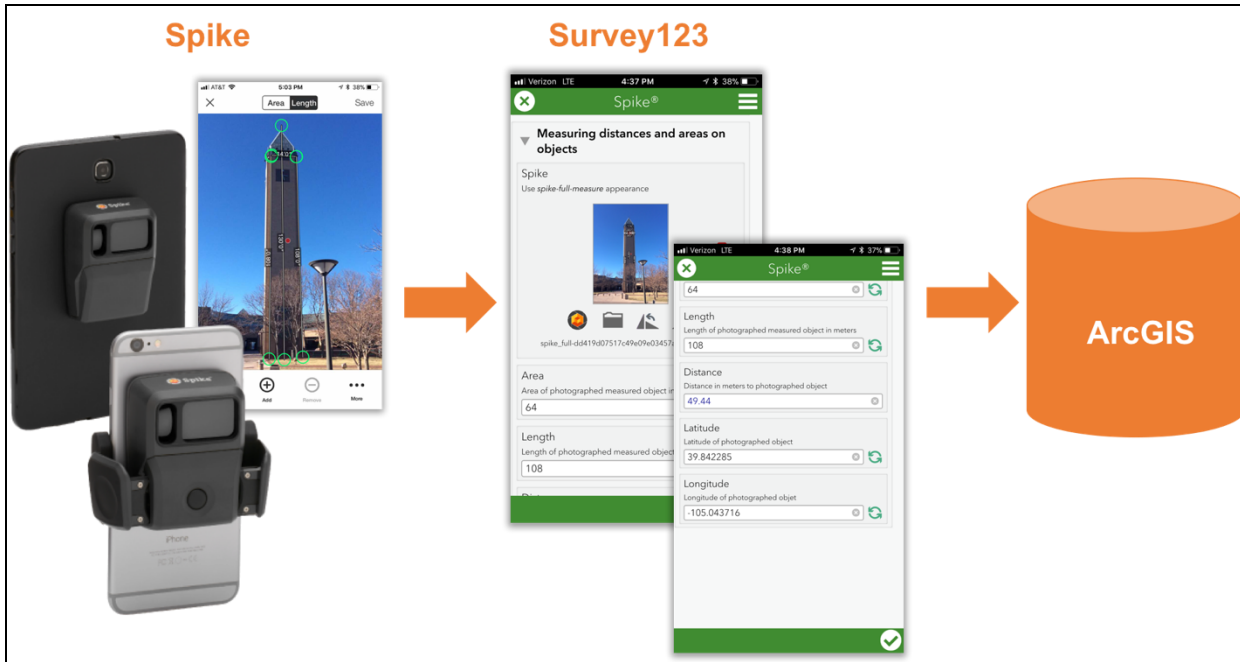
How does Spike work with Survey123 for ArcGIS?

Survey123 and Spike work seamlessly together. The Spike device is first attached to a smartphone or tablet. Using Bluetooth, the Spike device connects to the Spike mobile app. A Survey123 survey configured with a Spike question type will open the Spike app so measurements can be taken on top of



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photographed objects. Measurements from the Spike app are then sent into the Survey123 app and stored within the survey so they can be uploaded into ArcGIS. This greatly accelerates field data collection for a new level of organizational efficiency. See the graphic below:



Specifications

Device and OS

Spike works with commercial Google Android and Apple iOS Smartphones and Tablets. To view a list of recommended devices that have gone through camera calibration procedure and provide the highest level of accuracy, visit the [Spike Support Center](#).

Connectivity

The Spike device connects with your Smartphone or Tablet via Bluetooth. Your device must support BLUETOOTH 4.0 low energy technology.

Battery

The Spike device has an Internal Li-ion battery that is charged via a micro USB charging port (a USB cable is included in the box with Spike). Battery life is 4 hours of continuous use.

Laser

Spike's eye safe laser rangefinder supports ranges between 6-650 feet (2-200 meters). The accuracy of Spike's laser rangefinder is $\pm 5\text{cm}$ (2 in).



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Output Formats

Measurements are stored with the photo and can be shared as a PDF, JPG, Spike File (XML), or KMZ. For Android devices only, additional output includes HMTL. The Spike File is a compressed .ZIP file, which contains the Spike photos and XML file with measurement and location data.

Accuracy

The accuracy of Spike's laser rangefinder is $\pm 5\text{cm}$ (2in); the accuracy of Photo Measurements is $\pm 1\%$; and the accuracy of Point-to-Point Measurements is $\pm 3\%$. For additional information on optimal distances and positions, visit the [Spike Support Center](#).

Units

Spike supports measurements in feet + inches, inches, meters, or centimeters. Unit settings may be changed at any time via the Spike app settings or Cloud settings.

Warranty and Support

Spike Warranty

Spike comes with a 2-year warranty for defects or workmanship issues.

[Spike Warranty/Terms of Sale](#)

Spike Technical Support

[Spike Customer Support Contact Page](#)

Spike Technical Support Hours are 6:00 am to 6:00 pm (MST) Monday through Friday. Closed on major US holidays. To contact Spike Technical Support:

Submit a support request

Telephone Support: +1 720 381 1634

Toll free: +1 844 445 3477 ext. 3

Email: support@ikegps.com

Documentation and Resources

[Spike for Survey123 Brochure](#)

[Spike User Manual](#)

Videos

[Click Here](#) Introduction to Spike

Tutorial

[Click Here](#) Using Spike with Survey 123



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Frequently Asked Questions (FAQ)

What devices are compatible with Spike?

The following smartphones and tablets have gone through camera calibration procedure and provide the highest level of accuracy for capturing measurements from a photo:

<http://support.ikegps.com/customer/portal/articles/1704628-which-smartphones-and-tablets-are-supported-by-spike>

How accurate are measurements made with Spike?

The accuracy of Spike's laser rangefinder is $\pm 5\text{cm}$ (2 in). The accuracy of a Photo Measurements is $\pm 1\%$.

What is the operational range of the Spike laser?

6-ft to 650 ft or 2-200 meters.

Is Point-to-Point measurement supported in the Survey123 Integration?

Not currently. If there is a demand point to point measurement may be added in the future.

Will you support the Microsoft Windows OS in the future?

The Windows operating system is not currently in Spike's future app development schedule.

How do I submit a new feature request for Spike?

The Spike app can always be improved! You can go to: <https://ikegps.uservoice.com/forums/280283-spike-feature-requests> to add feature requests or vote for features that are already captured.



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ESRI QUOTATION TERMS AND CONDITIONS

These prices and terms are valid only for items purchased and delivered within the United States excluding Guam, Puerto Rico, and the Virgin Islands.

This quotation information is proprietary and may not be copied or released other than for the express purpose of system selection and purchase. This information may not be given to outside parties or used for any other purpose without written consent from Esri.

ORDER PROCESS

The order process is initiated when Esri receives an original purchase order or some form of advance payment. Several additional documents (e.g., credit application, if not using credit card, and tax exemption certificate) are required to complete the order.

IMPORTANT! Collectively, these documents contain the authorizations and information necessary to ship proper versions of the software on the correct media. Please return them promptly to avoid unnecessary delays in shipping. Please return all documents by mail or express courier or as otherwise directed.

Please show the following remittance address on your purchase order:

Esri, File #54630, Los Angeles, CA 90074-4630

DELIVERY

FOB ORIGIN

Software: Allow 30 days from Esri's receipt of purchase order, signed software license agreement(s), and other documents, as required. Esri software license agreements may be accessed at esri.com/legal.

Hardware: Manufacturer's terms apply. Lead times depend on make/models purchased.

Standard delivery method is ground or two-day air for software and surface carrier for hardware. Actual delivery method may vary depending on weight. Other service is available for an additional fee (e.g., overnight delivery).

PAYMENT TERMS

Net 30 days, on approved credit.

WARRANTY

Warranty and service are provided by manufacturer(s).

TAXES

Prices quoted do not include applicable sales or use taxes unless so stated. Esri reserves the right to collect sales tax assessed by states as required by law. Esri will add state sales tax to the invoice unless Esri receives proof with the order that your organization is tax exempt or pays state tax directly.

Esri collects and pays sales tax in Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin. In preparing your budget, please allow for applicable sales tax. Esri reserves the right to collect sales tax assessed by additional states as required by law.



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Spike Laser Measurement Devices Domestic Order Form

6/1/18

ORDERED BY	
Organization	
Date of Order	PO No.
Phone	Fax
Contact	Esri Customer No.

SHIP TO	
Organization	
Department	
Address	
Attention	
Phone	Fax
E-mail	

BILL TO	
Organization	
Department	PO No.
Address	
Attention	
Phone	Fax
E-mail	

Qty.	Description	Unit Package Price	Total
	Item 164323 — Ten (10) Spike Laser Measurement Devices Please specify if all devices are Smartphone or Tablet versions or a combination of the two. _____ - All Smartphones _____ - All Tablets If a Combination: How many Smartphones? _____ How many Tablets? _____	\$4,990	
	Item 164324 —Nite Ize Carry Case for Smartphone only. Only ordered with item above.	\$14	
Subtotal			
Shipping			Included
Sales Tax*			
Total Due Esri			

Please attach sheet of additional options and pricing, if necessary.

* Please add appropriate sales tax in the states of AL, AZ, CA, CO, CT, FL, GA, HI, IL, IN, KS, MA, MD, MI, MN, MO, NC, ND, NE, NJ, NM, NV, NY, OH, OK, PA, SC, TN, TX, UT, VA, VT, WA, and WI. Esri reserves the right to correct sales tax rates and/or collect the sales tax assessed by additional states as required by law, without notice. Items may be shipped separately.

FAX YOUR ORDER TO 800-330-7053 ATTN.: Customer Service/Alan Chrest Esri 380 New York Street • Redlands, CA 92373-8100
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NOTES

- A. If submitting a purchase order, a credit application will need to be completed if one is not already on file with Esri.
- B. Delivery is based on manufacturer availability.
- C. All sales are final. Opened boxes cannot be returned for credit.

PAYMENT OPTIONS

- (a) Enclose a check payable to Esri with this form.
- (b) Complete credit card authorization information below.
- (c) Enclose a completed purchase order with this form.
We will not ship without payment or purchase order enclosed.
Acceptance of purchase order is based on credit approval.

CREDIT CARD AUTHORIZATION

Card Number	Check One				Expiration Date
	AMEX	Disc.	MC	Visa	
Cardholder Signature	Approval Code (Esri use only)				



IN-HOUSE USE
ORIGINATED BY _____ DEPT. _____ PHONE _____ CLIENT'S REQUEST \$ _____

**ESRI
CREDIT APPLICATION
COMPANY INFORMATION**

COMPANY NAME: _____ TELEPHONE: _____
DBA: _____ FAX: _____
ADDRESS: _____ CONTACT: _____

TAX EXEMPT: YES/NO. IF YES, PLEASE ATTACH
COPY OF EXEMPTION CERTIFICATES FOR ALL STATES.
LENGTH OF TIME IN BUSINESS: _____ FEDERAL ID NO.: _____
NUMBER OF EMPLOYEES: _____

CORPORATION _____ PROPRIETORSHIP _____ PARTNERSHIP
IF A CORPORATION, IN WHAT STATE INCORPORATED: _____
DATE OF INCORPORATION: _____
PRESIDENT: _____ VICE PRESIDENT: _____
PARTNER'S NAME(S): _____
PERSONS WITH CORPORATE SIGNATORY AUTHORITY: _____

COMPANY CLASSIFICATION: _____ FORTUNE 500 _____ UNIVERSITY, COLLEGE, OR PUBLIC SCHOOLS

LOCAL, STATE, OR FEDERAL GOVERNMENT _____ NONE OF THE ABOVE
BRIEFLY DESCRIBE YOUR COMPANY'S FUNCTION: _____

BANK REFERENCE

(Please list all banks and banking account numbers; attach additional pages if necessary.)

BANK NAME: _____ TELEPHONE: _____
ADDRESS: _____ CONTACT: _____

CHECKING ACCOUNT NO.: _____
OTHER ACCOUNT NO.: _____
LOAN NO.: _____

**VENDOR REFERENCE
(PROVIDE 5)**

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____

TELEPHONE: _____ TELEPHONE: _____

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____

TELEPHONE: _____ TELEPHONE: _____

NAME: _____
ADDRESS: _____

TELEPHONE: _____

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. (ESRI), PAYMENT POLICY:

NET 30 DAYS, 1.5 PERCENT LATE FEE PER MONTH AFTER 30 DAYS.

BY SIGNING BELOW, COMPANY CERTIFIES AND ATTESTS FINANCIAL RESPONSIBILITY FOR ANY AND ALL CORRECT ESRI INVOICES TO COMPANY AND ITS ABILITY TO PAY SUCH INVOICES IN ACCORDANCE WITH ESRI'S PAYMENT POLICY. COMPANY FURTHER AGREES TO PAY REASONABLE ATTORNEY'S FEES, PLUS INTEREST, IN THE EVENT OF DEFAULT IN PAYMENTS IN COMPLIANCE WITH ESRI POLICY. THE INFORMATION CONTAINED HEREIN IS ONLY FOR THE PURPOSE OF OBTAINING CREDIT AND AUTHORIZES ESRI TO OBTAIN INFORMATION CONCERNING COMPANY'S CREDIT STANDING.

PLEASE FAX TO ESRI CREDIT ANALYST AT 909-307-3031 AND MAIL ORIGINAL.

BY: _____ DATE: _____