

Magpie VH-80

*The World's First Bilateral
Laser Distance Measurer*





magpie **VH-80**

*The World's First Bilateral
Laser Distance Measurer*

Magpie Technology is excited to introduce VH-80, the world's first bilateral Laser Distance Measurer. Magpie Technology works to find the solution to improve the way we live our daily lives which we always have taken for granted. Ultimately, we want to improve the quality of our lives by developing the right product which will be the right solution for it.

VH-80 was first developed when we were trying to resolve the “inconvenience in distance measuring” in our daily lives. While distance measuring methods have been constantly evolving, there was this one thing that has always remained the same. In order to measure a certain distance, you always have to travel. This is the reason why VH-80 is a paradigm shifter in distance measuring world.

Since you can measure the distance bilaterally now, you are now free from the reference point and location. In other words, as long as you are on the line of measurement, you can measure at the most convenient and safe positions. You don't need to climb up the ladders or kneel down to reach the bottom. You also don't need to move the furniture or items in storage to reach that wall on the other side. Since VH-80 can measure up to 80m, you can now measure long distances alone with high precision without anyone's help. The freedom from movement and location also allows individuals with physical difficulties to make measurements in comfort and safety as well.

VH-80 shows its strengths in many professional fields of work and study as well as in personal hobby including construction, interior design, forestry management, geology, and DIY. VH-80 can measure the area, and volume of space and use Pythagorean theorem to measure the distance of a missing side of a triangle with its built-in automatic calculation system. VH-80 also has a free smart device application that can create floor plan sketches, so it will improve your work efficiency and save your time and resources.

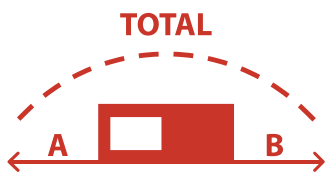
Starting in late 2013, VH-80 went through many prototype developments and thorough inspections before its creation. In early 2017, VH-80 was launched through Kickstarter and Indiegogo, the crowdfunding websites in United States, and 6,000 people from 85 countries have participated in VH-80's campaign. Finally, we could manufacture VH-80 stably and sell it in the whole world with global partners.

Incomparable Efficiency

The measurement tool went through many transformations. But, one factor never changed: you are never in the center of the measurement. However, VH-80 means that you can measure the distance between two points by positioning yourself anywhere along the line of measurement. You don't have to travel with your tools anymore. You can measure in just where you are. VH-80 saves you a significant time by reducing the number of measurements and your traveling time.

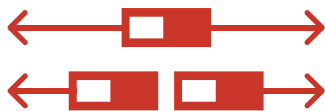


Bilateral. The More Strengths



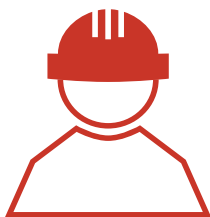
1 Measure = 3 Values at Once

Two laser diodes mean VH-80 can take three measurements per single action: the left, the right and the total combined. Therefore, when measuring multiple lengths, the advantage of using VH-80 exponentially increases, by reducing your moves by factor of three.



Choose Bilateral or Single!

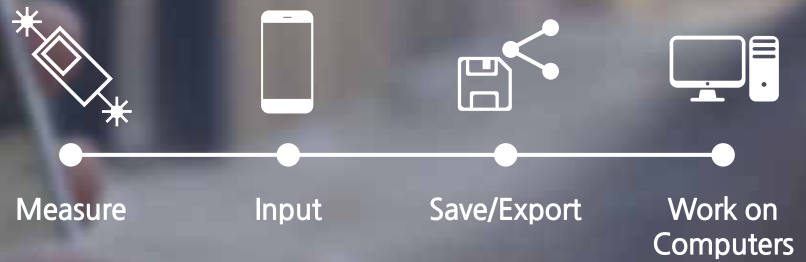
For a starter, VH-80 is a bilateral laser distance measurer, but it can also function as a single direction laser distance measurer as well. You can easily switch to a single laser measurement setting, measured from the base or front.



Safety is Always Rule No. 1

VH-80 really makes it comfortable when you have to repeatedly get down or move the ladder to travel across the space. We are hoping that VH-80 can help and revive passion in folks who have been shy from working on new projects due to physical discomfort or inconvenience as well. So that's some very little changes that VH-80 can bring to your life.

IoT Smart Laser Distance Measurer



Your smart device receives data from VH-80 through Bluetooth 4.0 in real time. All the measurements measured by VH-80 can be managed through this application. In this Application, there are two modes.

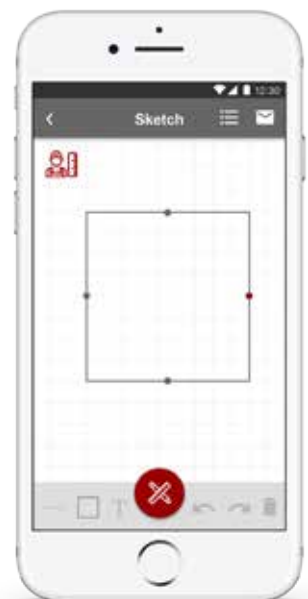


Measuring Mode

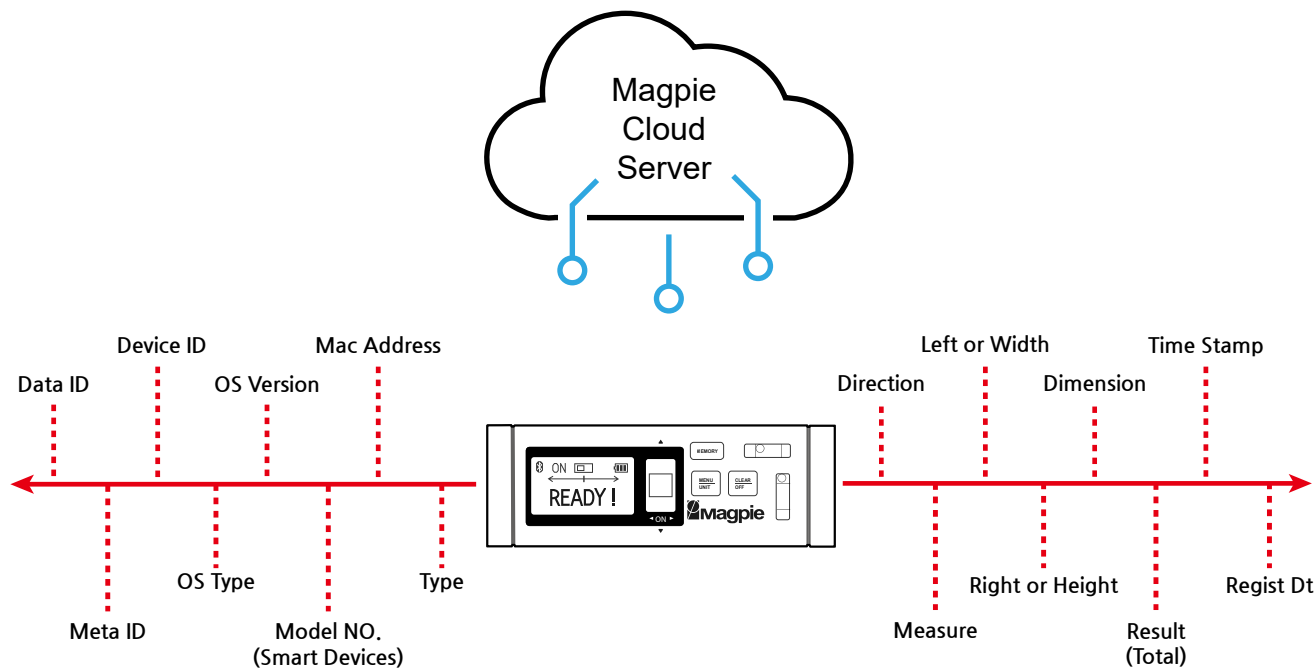
In measuring mode, a user can now remotely measure, manage data, and change the mode and the settings faster and conveniently.

Sketch Mode

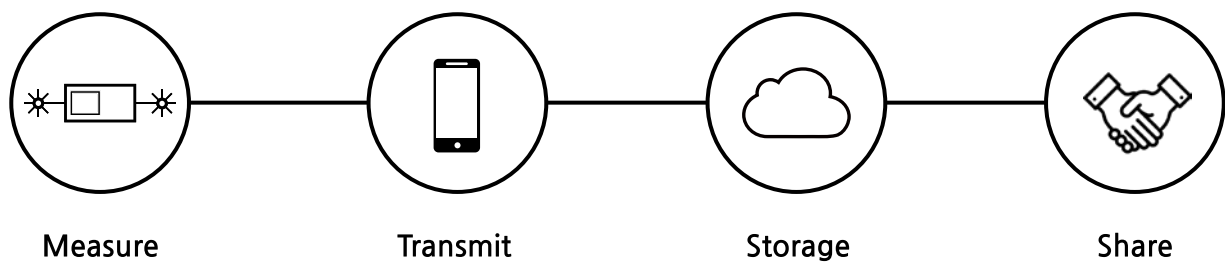
In sketch mode, a sketch can be created based on the data measured by a user. A user can create a sketch with a camera, saved images, and drawings. Auto Scale function is also included in sketch mode, so a user can easily and accurately create a sketch. In addition, a user can export the created sketch into JPG, PDF, and XLS files and share, so a user can also work efficiently on computers.



Collaboration (Magpie Cloud Server)



The VH-80 can connect to smart devices to measure distance and store the measuring data on the Magpie Cloud Server. The data stored in Magpie Cloud Server can be extracted through API command, and its value can be shared with partner's platform and software. The Magpie Cloud Server stores a total of 16 pieces of information, including measurement device information, smart device information, and measurement result values. The measurement data stored in Magpie Cloud Server can be used in various areas such as prevention of derailment, quality control, building management, etc.



Fields of Application



Prevention of Derailment



Quality Control



Building Management

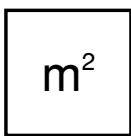


Etc.

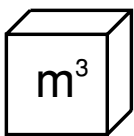
Special Functions



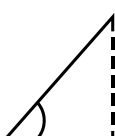
Continuous Measurement



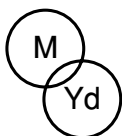
Area



Volume



Pythagorean Theorem



All the Units



Live Recording

Fields of Application



Construction



Real Estate



Interior Design



D.I.Y

VH-80 is the best product for people who work in construction, interior design, DIY, or exhibition design, for those who love to create something new. Save your precious time and resources through outstanding work efficiency that comes from bilateral measuring.

Specifications

Size	126x44x25(mm)
Weight	88g
Laser Class	2/635nm/1mW
Distance	0.05~80m
Accuracy	±3mm
Units	mm, cm, m, m², m³, in, ft, ft², yd, yd², yd³
Measure Time	0.3~3sec
Battery	2x1.5V LR03 (AAA)
Operating Temperature	0℃~40℃
Storage Temperature	-25℃~60℃
Bluetooth 4.0 BLE	
Patents & Certifications	    



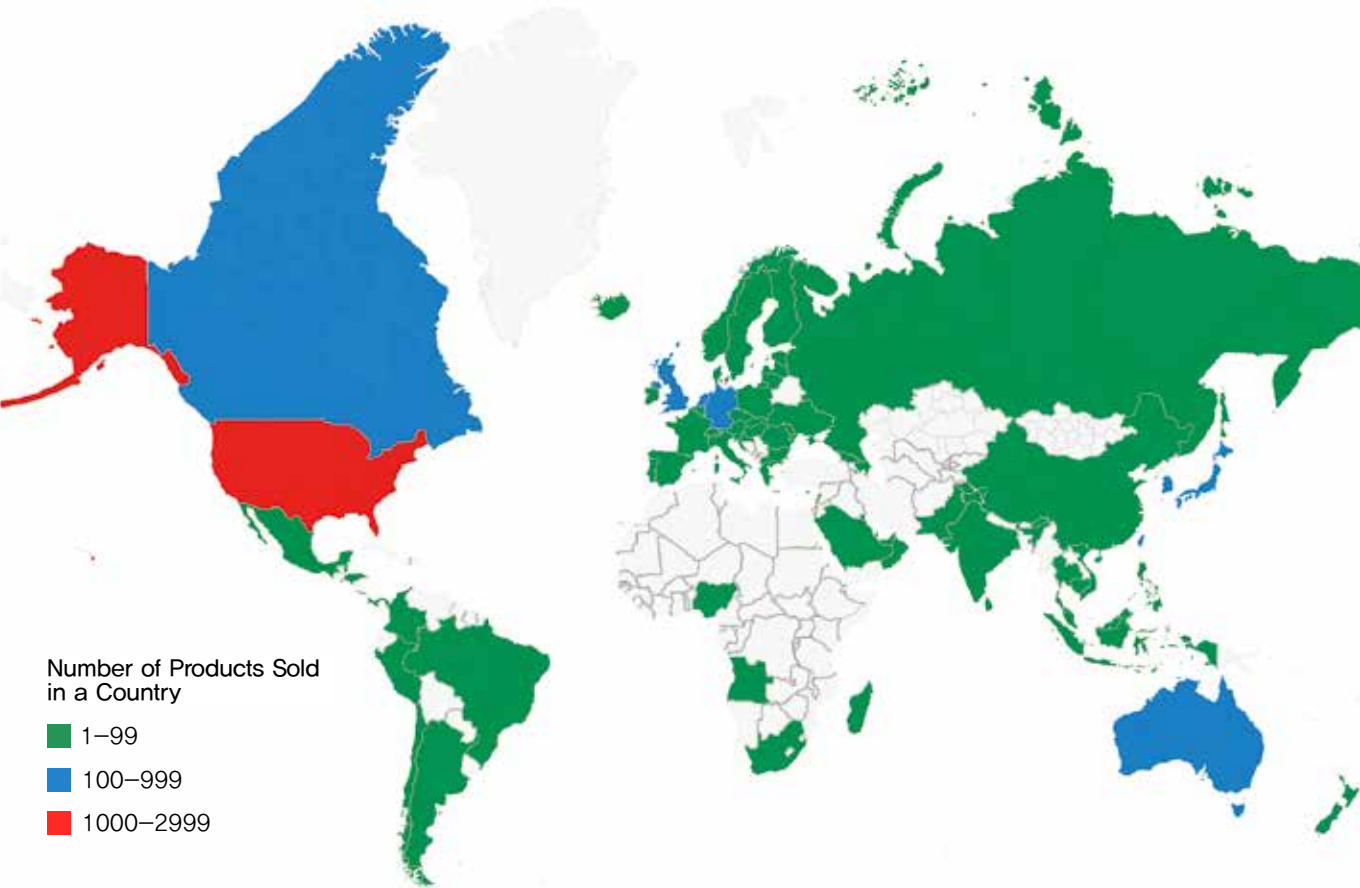
\$1,200,000



85 countries



8,900 people



VH-80 was successfully funded \$1,000,000 in crowdfunding platforms in various countries. It was successfully funded more than \$870,000 in Kickstarter and Indiegogo, the biggest crowdfunding platforms in United States and about \$100,000 in Makuake, Japanese crowdfunding platform. Also, VH-80 was funded \$100,000 in Wadiz, South Korean crowdfunding platform. Approximately 10,000 VH-80s were sold over 85 countries all over the world even it's before the official launching of the product.

 magpie
VH-80
*The World's First Bilateral
Laser Distance Measurer*

Magpie Tech Inc.

E. hello@magpie-tech.com

H. <http://www.magpie-tech.com>