

**LIKA
LONG RANGE
WATER DETECTOR**

USER MANUAL

GERMANY TECHNOLOGY



- Top Quality
- High Efficiency
- High Accuracy
- High resolution Techniques
- Simple Operation
- ISO 9001 Certificate
- CE Certificate
- Most Competitive Price



Sigma Geo Technology Services

ABOUT US

Sigma Geo Technology Services is a renowned firm Established in the year 2017. Which is a verified water detector manufacturer. We deal with a variety of water Detectors Such as long range water detectors, Geophysical water Detectors, 3D Water Detectors, Resistivity metres, Water Leak Detectors. We are providing genuine products to our customers for their satisfaction, which is our utmost priority. we provide free shipping all over world.



Product Description

The ultimate solution for detecting under ground water and artesian well. This advanced device utilizes remote sensing technology for accurate exploration and identification of underground water sources.

LIKA LONG RANGE SYSTEM: a device with multiple features searching underground water and artesian wells: – Freshwater Search system – Natural water search system -This version is also characterized by several functions: It operates in four different languages: (German – English – French, and Arabic). You can choose the required range by adjusting the extent by the control key the choices for the range of the device (500 meters) or (1000 meters) or (1500 meters) or (2000 meters) per pendicular.

Long Range System

After settings the parameters and starting the process of detection: the device will start to send and receive special frequencies to detect the target type that you chose from the list. When the device receives a signal, it will automatically track the signal toward the target, then it turns towards the target referred to by the sender and the receiver antenna of the signal. After reaching above the target center, the device will wrap in a circular motion that means the device confirmed the target. The depth of the device reaches up to 1200 meters under the ground. the user can walk up to reach the target and stand up completely on it within a confined area of 1 square meter, identify the depth by meter, and feet.

LIKA LONG RANGE SYSTEM device is one of the best German Technology water detector with the CE certification according to international specifications in addition to the international ISO 9001 certificate.

Technical Specifications

S.No	Technical Specification Name	Technical Specification Values
1	Audio Output	piezo buzzer Ø:12mm – H:9.8mm sound pressure level 85db at 12v/10cm frequency 4.5±0.5 kHz
2	Liquid Crystal Display (LCD)	graphics LCD (128×64) pixel / 55mm x 27.22mm
3	Length	Device only 203mm – The device with long-range antenna 386mm (closed) – The device with long-range antenna 638mm (opened)
4	Frequency	Max 500 KHz
5	Data processing speed	20 MHz
6	Operating Temperature Range	0 C° to 60 C°
7	Operating Humidity Range	up to 95 % non-condensing
8	Storage Temperature Range	20C° to 70C°
9	Storage Humidity Range	up to 98 % Relative Humidity
10	Operating Time (7.56 Wh Battery)	10 Hours
11	Waterproof Rating – Detector:	not waterproof (weatherproof only)
12	Device weight	600 g
13	Bag weight (empty)	1850 g
14	Weight total	2450 g
15	Bag dimensions	362mm x 241mm x 126mm
16	Li-ion Rechargeable Battery	internal battery
17	Battery Output Voltage	Li-ion 10.8 VDC
18	Battery Capacity	Li-ion 7.56 Wh
19	Battery Run Time	10 Hours
20	Battery Operating Temperature	0 C° to 60 C°
21	Battery Storage Temperature	– 2C° to 70C°
22	Battery weight	60 g
23	Charger Operating Temperature	0 C° to 50 C°
24	Charger Storage Temperature	Charger Storage Temperature: – 30C° to 80C°
25	Charger Input Voltage	90 250 VAC 50 60 Hz
26	Charger Output	12.6 VDC / 1850 mA

PRECAUTIONS

- ⦿ Please be sure that all precautions taken against risks.
- ⦿ Do not use your device while it is raining or on extremely wet floor.
- ⦿ Turn on your Device after you make sure that all parts are in place.
- ⦿ Make sure that battery of your device is fully charged before survey.
- ⦿ If the device starts to give a beep sound, close the device and recharge the battery.
- ⦿ While charging Long Range System when the green line in the charger turns on this will mean the battery is full.
- ⦿ We recommend reading the user manual before starting work on the device to understand everything and to avoid mistakes during the search.
- ⦿ After the device starts making sound and turns off automatically, put the device on the charger and do not try to start the device without charging the battery.
- ⦿ Be aware of high voltage resources, and don't use any charger other than the original charger that comes with the device.
- ⦿ Main unit on the device is under warranty against all electronic breakdowns for 3 years. 1 year replacement guarantee & 3 years warranty.
- ⦿ Damages caused by user errors (laying open the main unit, hits, harms etc.) are not within the warranty.
- ⦿ Battery and antenna are also not within this warranty.
- ⦿ You should follow the instructions in this user manual strictly to minimize the possible faults and to use your device correctly.

DEVICE OPERATING STEPS

1) Before opening the device, the user should connect all parts of the system and connect the handle, to able to open the device power.







2) Switch On the Device BY ON-OFF Switch.



3) Start the Device by Pressing the Start button on the keypad.

Key Description:

-  Power Button/Start Button
-  Navigation Button
-  Selection Button/ OK Button
-  Back Button



4) The Device Works on four Languages

- a. German,
- b. English,
- c. French,
- d. Arabic

Select your Option by OK Button on the Keypad.



5) After Selecting the Language, water type will appear on display, you can select.

- a. Fresh Water
 - b. Natural water
- by pressing up (or) down button on the keypad



6) After Selecting water type, The range will appear on display you can select the following front range parameters

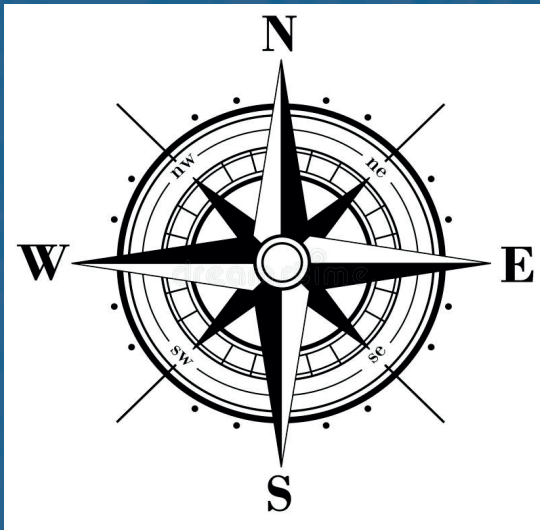
- a. 500M
- b. 1000M
- c. 1500M
- d. 2000M.



7) After Selecting the Range, the Search screen will appear Which will start the device will give beep sound.



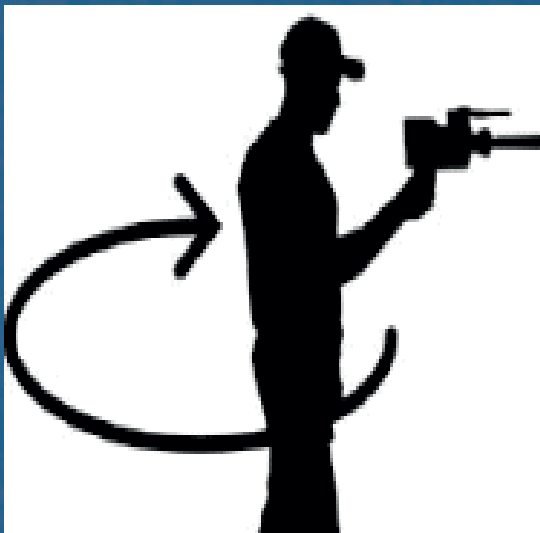
8) The user should position towards north while starting.



9) Start the Searching by holding the device.



10) If the target is on the Right Side means the device will turn right side.



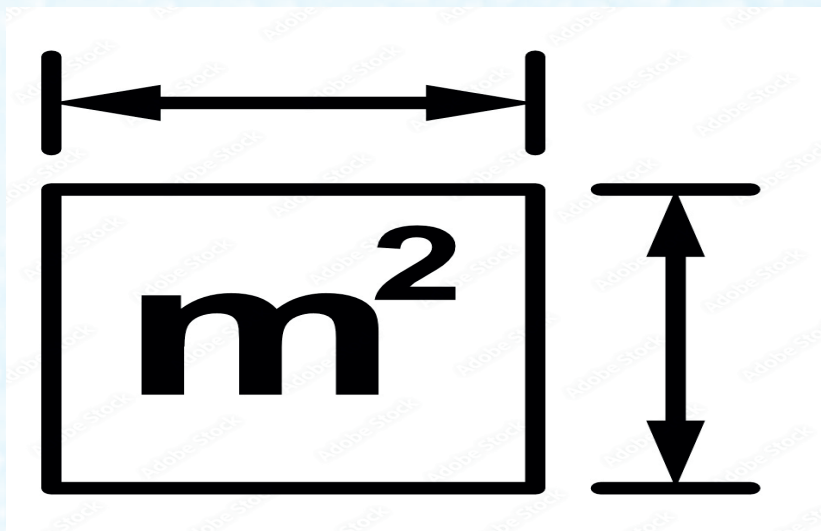
11) If the Target is on the Left side means the device will turn left side.



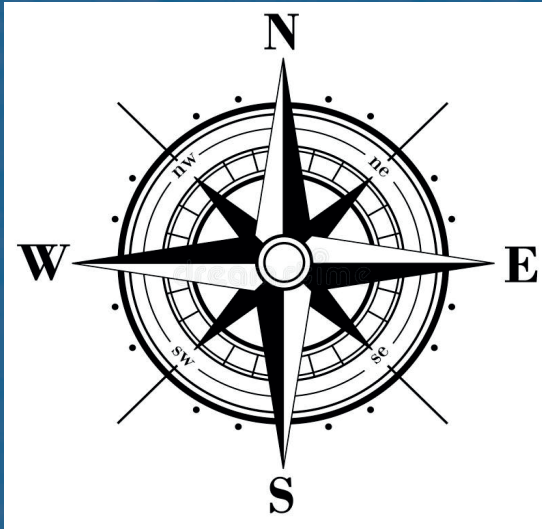
12) When you pass the Target the device will turn to the back.



13) Then you can Stop & Point the Target 1 M Square (m²)



14) After Detecting the Target Confirm the Target from each direction.



NORTH TO SOUTH

SOUTH TO NORTH

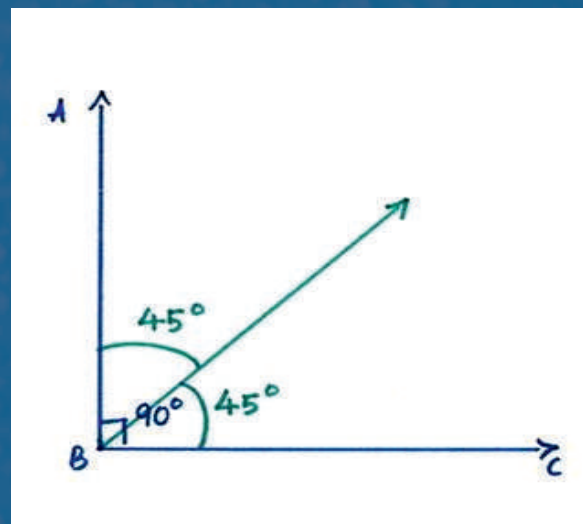
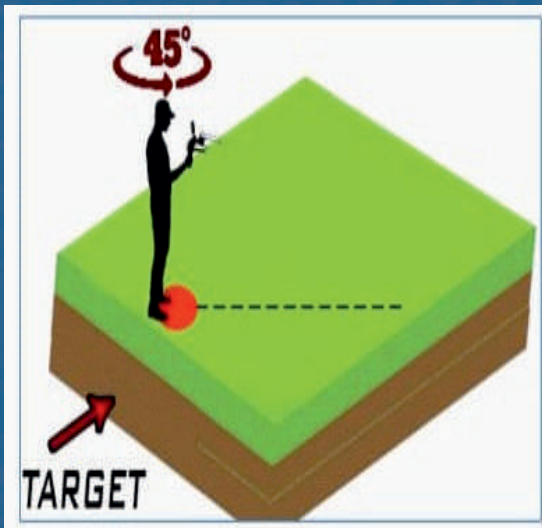
EAST TO WEST

WEST TO EAST

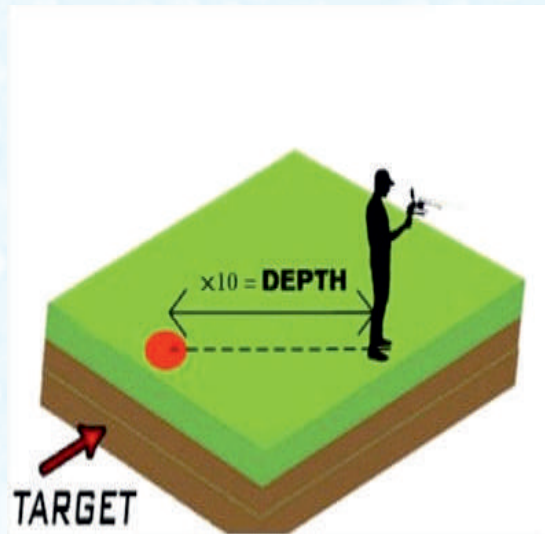
15) When you move on to the Center point by Closing the receiving antenna the device will Rotates in the circular motion.



16) To Determine the Depth of the Target Stand Above the Target and Turn 45 Degrees and walk straight a head until the device reverse to back.



17) Measure the Distance between the Device turning back point to the Starting Point. Multiply the Measuring distance into 10.



For Example: The Distance Between center point (target point) and the device turning point is x meters, if x = 10 meters than the depth will be 10x meters. i.e, $10 \times 10 = 100$ meters. 100 meters multiply with 3.28 (100×3.28) = 328 feet is the Depth. (1 meter = 3.28 feet).

ACCESSORIES



SENDER ANTENNA



SIGNAL TRANSMITTER ANTENNAS



RECIPIENT ANTENNA



DEVICE HANDLE



BATTERY CHARGER



CAR CHARGER



DEVICE BOX

LIKA LONG RANGE WATER DETECTOR

1	DEPTH RANGE	1200 M
2	FRONT RANGE	500M, 1000M, 1500M, 2000M
3	WARRANTY	3 YEARS
4	BRAND	SIGMA
5	MADE	INDIA

SECURE PAYMENT



VISA



MASTER CARD



PAYPAL



BANK TRANSFER

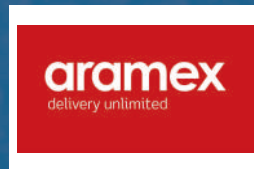
SHIPPING PARTNERS



DHL



FedEx



Aramex



TNT



UPS

PRODUCTS

WATER DETECTORS

- ◉ LIKA LONG RANGE WATER DETECTORS
- ◉ LIKA GEO PHYSICAL WATER DETECTORS
- ◉ LIKA RESISTIVITY METERS
- ◉ LIKA 3D WATER DETECTORS
- ◉ LIKA METAL DETECTORS
- ◉ LIKA GOLD DETECTORS









Sigma Geo Technology Services

Anjanadri Constructions, Flat No. 302, Sy. No. 195 & 198,
Above Vijetha Super Market, Arabindo Colony, Miyapur,
Hyderabad - 500049, Telangana State, India.

Email : info@sigmageotech.com / sales@sigmageotech.com
Website : www.sigmadetect.com / www.likadetect.com / www.sigmageotech.com

Call us on : +91 9705518306, +91 9490522365