

Ultra Scanner



www.noktaengineering.com

USER MANUAL

Thank you for choosing and purchasing our Nokta Ultra Scanner.

Nokta Ultra Scanner is a hand-held metal detector designed to find all kinds of ferrous and non-ferrous metals carried on a person or inside a non-metal object.

WARNINGS and REMINDERS

- ▶ Do not expose the device to very hot or cold conditions for extended periods of time.
- ▶ Do not immerse the device in water; do not expose it to extreme humid conditions.
- ▶ Always keep the device off when not in use. This will help increase battery life and device performance.
- ▶ Do not leave the battery inside the device if the device will be stored for a long time.
- ▶ Audio alert consumes less battery power than vibration alert. Using the audio alert when possible will extend battery life.



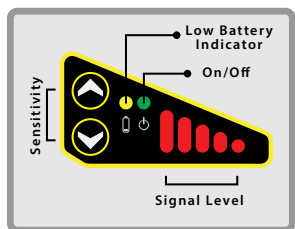
FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



For Consumers within the European Union: Do not dispose of this equipment in general household waste. The crossed wheeled bin symbol on this equipment indicates this unit should not be disposed of in general household waste, but recycled in compliance with local government regulations and environmental requirements.

COMPONENTS



Earphone Jack
Audio Alert
Off
Vibration Alert

Interference
Elimination
Button

Battery Cover



OPERATING INSTRUCTIONS

Battery

- ▶ To open the battery compartment, place your thumb on the recess, press down and slide forward.
- ▶ Insert the supplied 9V battery paying attention to the plus (+) and minus (-) poles. If the battery is inserted in the wrong direction, the battery cover will not close.

Low Battery Life Alert

- ▶ When the battery is low, the yellow LED will blink continuously and the device will continue working until the battery dies.

Earphone Jack

- ▶ For a silent operation or to use the device more conveniently in noisy environments, insert the optional earphone jack here.

Turning On the Device

- ▶ Before turning on the device, hold the device away from metallic objects including your watch and jewelry. Turn on the device by sliding the switch to either audio or vibration alert.
- ▶ When the device is turned on a long beep will be heard and the green LED will illuminate. At start up, the red LEDs will light up for a short period of time indicating battery life status and then they will go off. During operation, the red LEDs will indicate the signal level or the sensitivity level.

Audio or Vibration Alert

- ▶ The device operates on the principle of motion. The device will not produce a signal when held still over a metal. You must move the device over the metal in order for the device to detect it. When the device detects metal, it will produce an audio or vibration alert according to your mode selection. The rate of the pulsing audio or vibrations will increase as the device gets closer to the metallic object and it will decrease as the device is moved away. When the device is in audio mode the red LEDs will also illuminate according to the signal strength providing visual warning as well.

OPERATING INSTRUCTIONS

Sensitivity and Signal Level Indicator

- ▶ The red LEDs indicate the device's sensitivity level as well as the signal level when metal is detected in audio mode. You can adjust the sensitivity based on surrounding conditions and your preference using the up and down arrow keys. At maximum sensitivity, all red LEDs will light up and at minimum only a single LED will illuminate.
- ▶ As mentioned above, when metal is detected in audio mode the red LEDs will provide visual warning by lighting up according to the strength of the signal received from the metal.

Interference Elimination Button

- ▶ The device is set for maximum sensitivity for the smallest objects. This may cause the device to produce signals when held close to a floor with metal construction. You may enable the device not to respond to metals under the floor by pressing and holding this button. When released, the device will go back to its previous sensitivity level.

Internal Sensitivity Setting

- ▶ Some applications may require different sensitivity setting from the factory setting. An internal sensitivity setting has been placed under the rubber handle cover. You can access this setting by pulling back the rubber and adjust the sensitivity by a screwdriver using a test object of your choice. The sensitivity will increase as you turn the setting clockwise and it will decrease when turned counterclockwise.
- ▶ Please keep in mind that when the sensitivity is increased the device may get affected by the surrounding metals and receive noise. Be sure to check that the sensitivity is at the desired level by testing it with appropriate targets each time the internal sensitivity setting is changed. It is recommended that only technicians should change this setting.

OPERATING INSTRUCTIONS

Turning Off the Device

- ▶ Turn off the device by sliding the switch to the off position in the middle. Always keep the device off when not in use.

Belt Holster

- ▶ When you are not using the Ultra Scanner, you can put it in the holster and attach it to your belt.

Safety Notice

- ▶ Research evidence indicates that use of hand-held metal detectors have no adverse affect on pregnancies or pacemakers. However, it is strongly recommended that for use on other personal medical electronic devices, the advice from the manufacturer or physicians should be followed.

Technical Specifications

- ▶ Audio Frequency.....: 2KHz
- ▶ Operating Frequency.....: 50KHz
- ▶ Voltage.....: 6V - 10.5V
- ▶ Current.....: 5mA - 15mA
- ▶ Dimensions.....: L 40 x W 8.5 x D 3cm. (15.7"x3.3"x1.2")
- ▶ Weight.....: 400gr. (14.1 oz.)
- ▶ Operating Temperature.....: -10°C (14°F) to 60°C (140°F) (Humidity 95%)
- ▶ Battery.....: 9V Alkaline
- ▶ Battery Life.....: Up to 100 hours (Alkaline Battery)

Nokta Engineering reserves the right to change the design, specifications or accessories without notice and without any obligation or liability whatsoever.

LIMITED WARRANTY

Nokta Engineering warrants to the end-user customer that this product will be free from defects in material and workmanship for a period of 2 years from the date of purchase (excluding the battery & case). Nokta Engineering's limited warranty covers only those defects that arise as a result of normal use of the product in accordance with Nokta Engineering's printed instructions and does not cover any other problems, including those that arise as a result of accident, misuse, negligent act or improper maintenance. The customer must return any defective device to Nokta Engineering or to one of its authorized dealers with freight prepaid. If Nokta Engineering receives, during the applicable warranty period, notice of a defect which is covered by Nokta Engineering's warranty, Nokta Engineering shall either repair or replace the product, at its sole discretion.

MANUFACTURER

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PRODUCT

Brand	: NOKTA	AUTHORIZED SIGNATURE / SEAL
Model	: Ultra Scanner	

Product ID / Serial Number :

DISTRIBUTER / DEALER

Name	:
Address	:
City / Country	:
Phone / Fax	:
Invoice Date	:
Invoice Number	:
Signature / Seal	:



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