

# *Ultra Scanner*

*Basic - Standard*

**Nokta**  
DETECTION TECHNOLOGIES



[www.noktadetectors.com](http://www.noktadetectors.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.



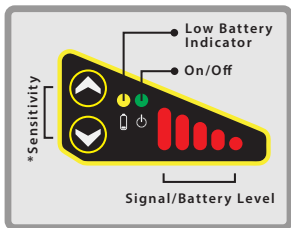
#### **FCC STATEMENT**

*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/Charger Jack
- Audio Alert
- Off
- Vibration Alert
- \*Interference Elimination Button
- Internal Sensitivity Adjustment
- Battery Cover

Detection Sensor

\*Feature does not exist in the Basic model.

NOKTA DETECTORS

## 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 provide a warning audio every 5 minutes. The device will continue working until the battery dies.

When the battery is depleted further, the device will emit a continuous warning audio and the green LED will blink. As the device will no longer detect metals, the battery should be recharged or replaced.

### Earphone/Charger Jack *(This feature is not present in the Basic model)*

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

**Important:** The optional earphone is "MONO". Using "STEREO" earphones may harm the device.

You can charge the rechargeable 9V battery on the device by inserting the charger plug into the Earphone/Charger jack. When charging starts, the Low Battery LED (yellow) will light up. As the battery starts filling up, the Signal/Battery Level LEDs will start lighting in order and when the charging is complete they will all start blinking indicating full charge.

**Important:** Trying to charge regular, non-rechargeable batteries may harm your device.

### 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. On initial start up, the red LEDs will light up indicating battery life status and then go off. During use, the red LEDs will indicate the signal and sensitivity level.

### Volume Control *(This feature is not present in the Basic model)*

The device has 2 levels of volume. For higher volume, press and hold button 1 and press button 3 at the same time. For lower volume, press and hold button 1 and press button 2 at the same time. The volume control does affect the earphone audio.



## OPERATING INSTRUCTIONS

### 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.

### Sensitivity and Signal Level Indicator

The red LEDs indicate the device's sensitivity level (except for the Basic model) 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 *(This feature is not present in the Basic model)*

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.

## OPERATING INSTRUCTIONS

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.

### 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.....: 4.5mA (standby)
- ▶ Dimensions (LxWxD).....: 40x8.5x3cm. (15.7"x3.3"x1.2")
- ▶ Weight.....: 400gr. (14.1 oz.)
- ▶ Operating Temperature.....: -20°C (-4°F) to 60°C (140°F) (95% Humidity)
- ▶ Battery.....: 9V Alkaline
- ▶ Battery Life.....: Up to 100 hours

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

# WARRANTY

Nokta Detectors 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 accessories). Nokta Detectors' limited warranty covers only those defects that arise as a result of normal use of the product in accordance with Nokta Detectors' 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 Detectors or to one of its authorized dealers with freight prepaid. If Nokta Detectors receives, during the applicable warranty period, notice of a defect which is covered by Nokta Detectors' warranty, Nokta Detectors shall either repair or replace the product, at its sole discretion.

## MANUFACTURER

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## PRODUCT

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Brand : NOKTA **AUTHORIZED SIGNATURE / SEAL**  
Model : Ultra Scanner

Product ID / Serial Number :

## DISTRIBUTER / DEALER

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

**Nokta**  
DETECTION TECHNOLOGIES

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