

Features

1. Sensor of metal
2. LED light
3. Torch button (only for "0" position)
4. Mode switch
5. Sensitivity button (for metal only)
6. Battery compartment
7. AC Voltage Sensor Pin (only for AC Voltage detection)

Specifications

Metal detection	up to 50 mm
Voltage detection	~70-600 V
Operating temperature	-10...+50°C
Power supply	1x 6F22/9V
Dimensions	170x30x30 mm
Weight	120g

Change of batteries

Move the battery cover in the direction of arrow. Insert the battery into the battery compartment. Take care of the correct polarity. Remove the batteries if the tool will not be used for a long time.

Functional test

Before usage, please perform the functional test.

1. Before Testing AC Voltage.
Set the Mode Switch (4) to «II» position. Sensor of metal must be folded up.



Move the detector right-left and (or) up-down along the surface. When the metal object is detected, the buzzer sounds and LED blinks (10 Hz).

Notes:

1. The detector is not used for the detection of the objects in walls, ceilings covered with silver foil.
2. The detector can't detect plastic water pipes.
3. The detection depth depends on the type of the material and its size. Larger objects can be detected to a greater depth.

AC Voltage detection



Set the Mode Switch (4) to «II» position. Sensor of metal must be folded up. Touch and hold your finger on the sensor pin (7).

Use the upper part of the detector (near LED light) for low sensitivity. For high sensitivity use the low part of the detector (near battery compartment).

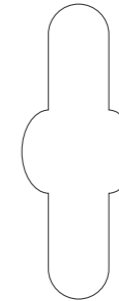
Place the detector to the known AC power supply (e.g. the wire of the power strip or socket).

Move the detector right-left and (or) up-down along the surface to detect concealed wiring.

When the AC power supply is detected, LED blinks and the buzzer sounds (2 Hz).

Notes:

1. The sensitivity may be reduced if the wall is wet and covered with reinforced grid.
2. Static electricity may be generated by rubbing the plastic housing causing the false indication.
3. The sensitivity may be reduced because of the high humidity.
4. You may reduce the sensitivity by placing your free hand on the object (wire or dry wall).
5. The detector can't detect the electric wiring without electric current.



Touch and hold your finger on the sensor pin (7). Place the detector to the known AC power supply (e.g. the wire of the power strip or socket).
Results: LED blinks and buzzer sounds (2 Hz).
Normal functioning.
Note: Move the Mode Switch (4) to the position "0"

when the instrument is not used.

2. Before finding metal objects.

Set the Mode Switch (4) to «I» position. Move the Sensitivity button (5) until sound alarm and LED blinking stop (this is the maximum sensitivity value).



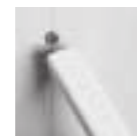
Place the detector to any known metal object.
Results: LED starts to flash quickly and buzzer sounds (10 Hz) indicating "Normal functioning".
Note: Set the Mode Switch (4) to «0» position if the tool will not be used for a long time.

The detection of metal objects



Move the sensor of metal (1) in 0-270° range regarding the housing of the detector. Slowly rotate the Sensitivity button (5) until the sound alarm and LED blinking stop (this is the maximum sensitivity level). Be sure that the tool is far away from metal objects.

To detect the position of the hidden metal objects, move the sensor of the metal (1) to "min" position. The sensitivity of the detection becomes lower. Repeat the scanning of the area.



To pinpoint metal objects such as nail and so on, use the top edge of the sensor.



Use the whole surface of the sensor to detect the metal objects such as metal tube, reinforcement bars.

Flash light



Set the Mode Switch (4) to «0» position. Press and hold button (3) to switch on the flash light.

WARRANTY DOESN'T EXTEND TO FOLLOWING CASES:

1. If the standard or serial product number will be changed, erased, removed or will be unreadable.
2. Periodic maintenance, repair or changing parts as a result of their normal runout.
3. All adaptations and modifications with the purpose of improvement and expansion of normal sphere of product application, mentioned in the service instruction, without tentative written agreement of the expert provider.
4. Service by anyone other than an authorized service center.
5. Damage to products or parts caused by misuse, including, without limitation, misapplication or negligence of the terms of service instruction.
6. Power supply units, chargers, accessories, wearing parts.
7. Products, damaged from mishandling, faulty adjustment, maintenance with low-quality and non-standard materials, presence of any liquids and foreign objects inside the product.
8. Acts of God and/or actions of third persons.
9. In case of unwarranted repair till the end of warranty period because of damages during the operation of the product, it's transportation and storing, warranty doesn't resume.

For more information you can visit our website
WWW.ADAINSTRUMENTS.COM
or write the letter with your questions on info@adainstruments.com

