

Specifications

- Electronic Circuit: Automatic self-tuning transmitter-receiver
- Operating Frequency: 95kHz
- Electrical Supply: 6 - 10V DC at 15mA typical
- Battery Requirement: 9V alkaline, or 7.2V rechargeable (NiCad)
- L x W x D: 420 x 83 x 45mm
- Weight: 485g

Warnings

When battery-OK indicator (green LED) is no longer illuminated, battery voltage has fallen below 6V. Replace the non-rechargeable battery (use alkaline battery only) or recharge the NiCad battery.

Never attempt to recharge conventional non-rechargeable batteries with the Battery Charger — doing so would damage **Passport™** and will void the warranty.

Never stick metal foil or other metallic labels or objects anywhere on **Passport™**.

Always remove the battery when taking **Passport™** out of operation for more than a month.

Optional Accessories

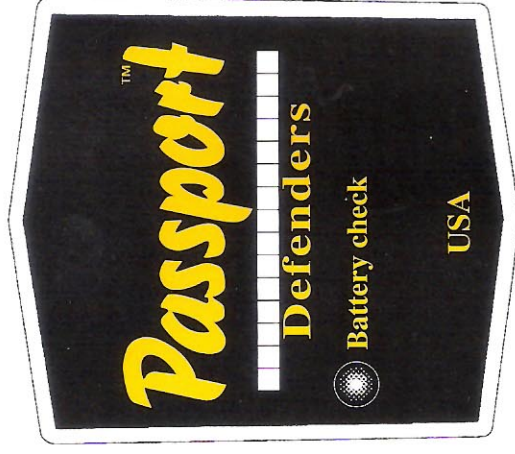
Recharge Kit: For recharging battery from standard AC outlet; Consists of Battery Charger for 100/120V or 220-240V (pls. specify) plus rechargeable NiCad Battery.

Earphone: For silent operation of **Passport™** with audio signal coming only through the earplug. Recommended for operation in noisy environments.

Belt Sling: Police-quality leather sling with quick-release access strap, for carrying **Passport™** on any belt up to 75mm wide.

Belt Holster: Police-quality leather holster for belts up to 75mm wide.

User Manual for



Hand-Held Metal Detector

Passport™ is the world's most advanced hand-held metal detector, detecting all conductive metals including ferrous, non-ferrous, and stainless steel.

When used properly, **Passport™** detects even the smallest metal objects while constantly re-tuning itself.

The operation of **Passport™** is completely automatic, using audio and LED indicators to announce the presence of a metallic object.

Passport™ operates in a very low frequency range and is therefore completely safe for both operators and subjects in all scanning operations, even when involving pregnancies, or medical electronic devices such as heart pacemakers.

Indicator Signals

- Detecting Metal: red LED
2000 Hz tone
- Battery Voltage OK: green LED

Charging Guidance

How to Charge Passport Metal detector?

- A.** General speaking, we recommend to apply alkaline batteries for **Passport™**.
- B.** If you use rechargeable batteries, we recommend to charge batteries with a separate "professionalized" charger, which would be much more efficient and time saving.
- C.** If you use rechargeable batteries and don't have a separate charger, you could refer to following steps to charge the battery with **Passport™**. In this case, you will need an adaptor (optional, you could buy a suitable adaptor from your supplier).

1. Make sure your battery is rechargeable one.
 2. Make sure the switch of metal detector is on the "OFF" (middle) position.
 3. If you use our recommended adaptor (Model: JUS A-05C), please set the adaptor to 12V and positive(+) position.
 4. The "Earphone or NiCad Recharge" socket (charging socket) for the adaptor could be easily found on the metal detector.
 5. When the battery is charging, the red "Recharge check" LED lights up. The red LED would get darker and darker when the battery is getting full. The charging is completed when the red LED turns off.
- General speaking, it takes about 16 hours to charge a battery from empty to full.

Service

Passport™ is covered for 1 (one) year after purchase by this **Unconditional Replacement Warranty**: In case of failure after expiry of the 1-year Warranty, you will be billed for the repair cost plus postage. You may of course request an estimate first. Generally, because **Passport™** is modular in design, a repair will always be less expensive than a new unit.

**Making Our Planet Safer
with Superior Technology**

Alarm Light/Recharge check

- red LED lights up when metal is detected
- while charging the rechargeable battery (Never try to charge a conventional battery) with battery charger (optional) plugged in
- NiCad Recharge Socket, the red LED lights up when recharging is completed, red LED would be off.

Battery = OK Indicator

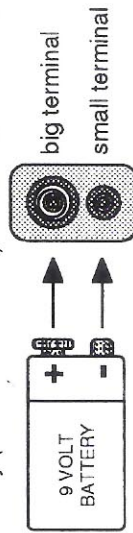
- green LED while lit indicates that battery is OK, goes out when battery needs replacing or recharging
- Audio Indicator**
 - alarm sounds when metal is detected

3-Position Power Switch

- Momentary ON, OFF and Continuous ON

Battery Cover

- will not close if battery is inserted with wrong polarity (terminals reversed). Never force it closed.



Detection Coil Area

- on top and bottom of **Passport™**, detects metal best when it is in motion. Move **Passport™** over the body search area at a distance of approx. 50mm (2 inches).

Earphone/NiCad Recharge Socket

- with (optional) earphone inserted, audio indicator is automatically disabled for silent "stealth" scanning. Earphone option is also useful in noisy environments.
- with (optional) Battery Charger plugged in, rechargeable NiCad Battery in **Passport™** (also optional) will be charged. Never try to recharge a conventional battery — it could damage **Passport™**

Interference Elimination Button

- momentary-contact pushbutton. Press and hold to reduce sensitivity when making ankle searches on floors containing large amounts of steel reinforcement bars. Release button to return sensitivity to normal.

Light Bar Alarm

- 15 LEDs in 3 sections green > yellow > red
- Indicating mass and size of detected metal

Basic Body Scanning Procedures:

(These guidelines cannot replace a full professional hands-on demonstration and training program.)

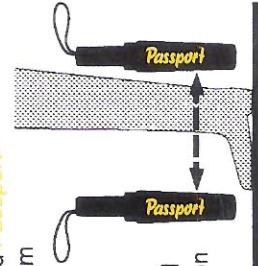
Passport™ detects better when it is in motion.

Move **Passport™** at a distance of 50mm (2 inches) above the areas to be scanned.

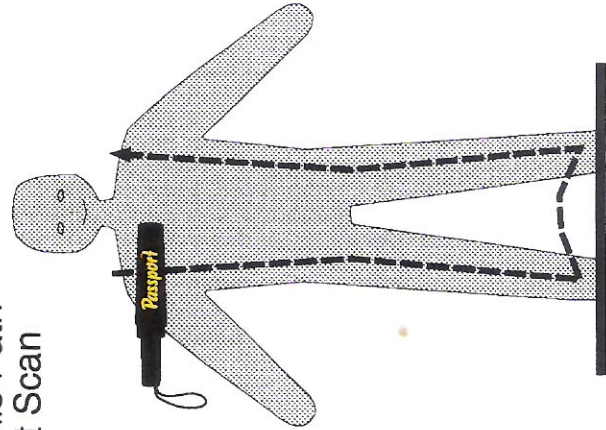
Practice by having someone hide a paper clip under a sheet of cardboard and scanning to find where it is.

When scanning the ankles, hold **Passport™** vertical with its tip approx. 50mm (2 inches) above the floor >

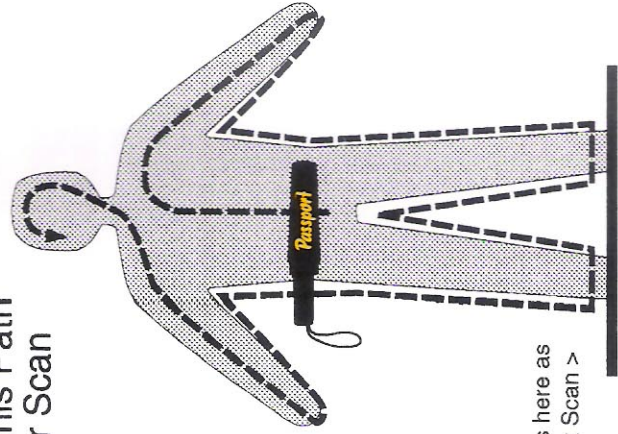
If the floor is reinforced with steel reinforcement bars it will also be necessary to press and hold the Interference Elimination Button at the same time.



Follow this Path for Front Scan



Follow this Path for Rear Scan



Scan ankles here as part of Back Scan >