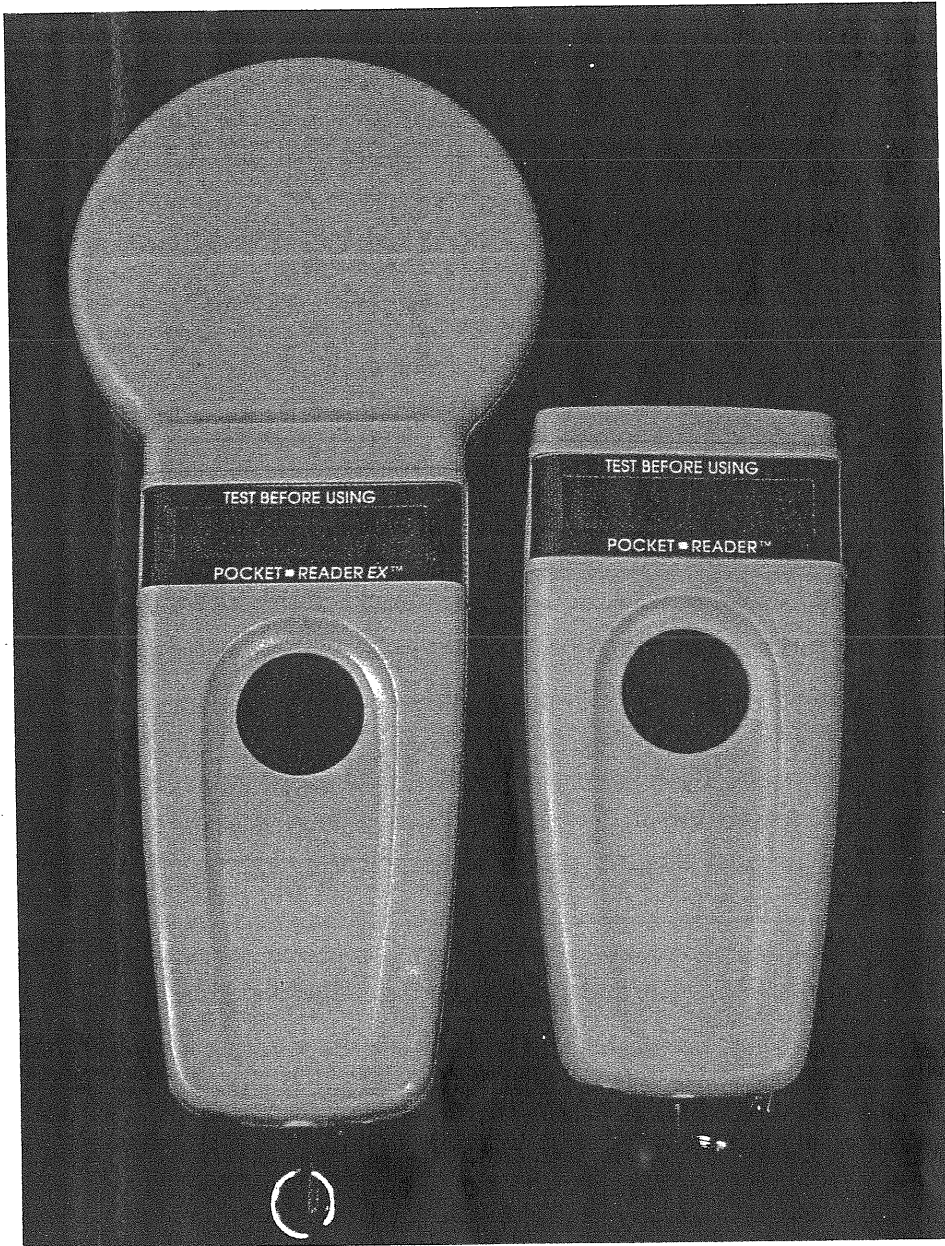# POCKET READER™ AND POCKET▪READER EX™

Operator's Manual

FCC Statement
POCKET (EX) READER
Destron Fearing
South St. Paul MN 55075-2443
1-800-328-0118

FCC ID: WMQRE6016

Industry Canada Registration ID
IC: 4284-RE6016

This device complies with Part 15 of the FCC rules.
Operation is subject to the following 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.

This equipment shall not be modified or changed without the
approval of Destron Fearing Corporation.

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985100005308752

POCKET READER EX™

TEST BEFORE USING

985100005170861

POCKET READER™

LCD
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BUTTON

AC/DC POWER PORT

FIELD PROGRAMMABLE PORT

The 134.2 kHz Pocket Reader and Pocket Reader EX comply with ISO 11785.

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HOW TO USE THE POCKET READER™ AND THE POCKET READER *EX*™

I. BATTERIES

Installing/Replacing the Batteries for the Pocket Reader
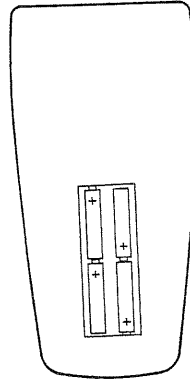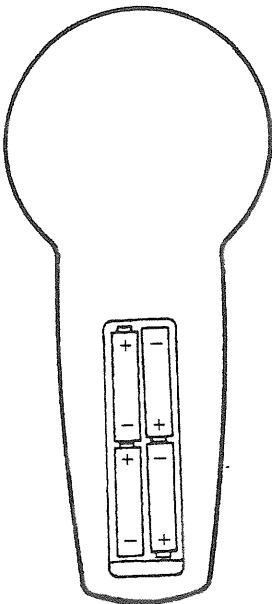
Remove the door to the battery compartment by loosening the retention screw located on the underside of the reader. Slide 4 AAA alkaline batteries into battery slots. **Note proper battery direction.** Replace compartment door and firmly tighten retention screw.

The Pocket Reader uses 4 AAA alkaline batteries.

Installing/Replacing the Batteries for the Pocket Reader EX

Remove the door to the battery compartment by inserting a coin in the slot at the bottom of the battery door and loosening the retention clip located on the underside of the scanner. Remove the battery door and slide 4 AA alkaline batteries into the battery slots. **Note proper battery direction.** Replace the compartment door and firmly press the retention clip into place.

The Pocket Reader EX uses 4 AA alkaline batteries.

FOR BEST RESULTS: We recommend using Duracell® or Energizer® alkaline batteries to operate the Pocket Reader and Pocket Reader EX. **Rechargeable batteries will not provide sufficient power to operate the scanners.** In some cases, when new batteries are installed, they will cause the scanner to indicate "LOW BATTERIES". Turn the unit on and off three to four times and the low battery display should disappear.

IMPORTANT: If the scanner stops or "freezes" part way through its program, reset the program by completely removing the batteries, reinstalling them and following the instructions for **Installing/Replacing the Batteries.**

Optional AC/DC Power Adapter

The Pocket Reader EX is capable of being powered directly from a standard wall outlet: To utilize this function, plug the power adapter into the wall outlet and place the output plug into the scanner AC/DC socket while the scanner is off. The scanner will now run directly off of the power supplied from the wall outlet. Optional Power Adapter available for Pocket Reader EX models only.
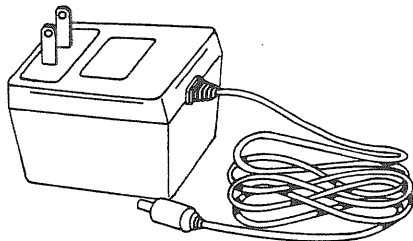
(Optional adapter available for the EX Model only.)

Warning

Do not plug the AC/DC power adapter into the Pocket Reader EX while the scanner is under power. **Turn the scanner off** and then insert the power plug into the power socket. Failure to follow this procedure may result in damage to the Pocket Reader EX.

Automatic Shut Off Feature

The scanners are equipped with an Automatic Shut Off feature. When the battery power level drops to a point that the energy is not sufficient to read an implanted microchip, the scanner will automatically shut off. The Pocket Reader and Pocket Reader EX will display LOW BATTERY (Figure 1), followed by REPLACE BATTERY (Figure 2). The scanner will remain inoperable until a new set of batteries is installed.
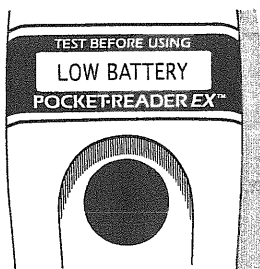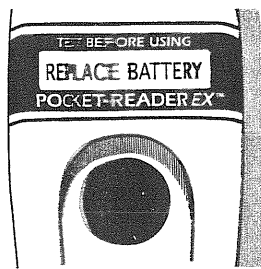
Figure 1

Figure 2

II. SCANNER OPERATION

To Activate Scanner

Push the button down once and release. In 2-3 seconds the unit will display the software version, then the unit will display READY (Figure 3).
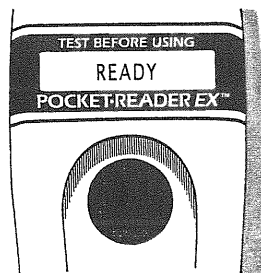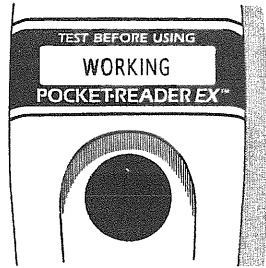
Figure 3

Searching for Implanted Microchips

To Scan
Push the button down and hold. The unit will display
WORKING.

Test Before Scanning an Animal
It is important to test the unit before scanning an animal. Use
the test chip provided with each scanner to verify that the
scanner is functioning properly. While holding the button down,
pass the microchip under the scanning area located at the
upper backside of the reader. **Verify an accurate scan
was achieved before continuing.** If the scanner does
not read the test chip, refer to the Installing/Replacing Batteries
section in this manual or contact your distributor.

Scanning Area
The units scan for identification codes from the backside.
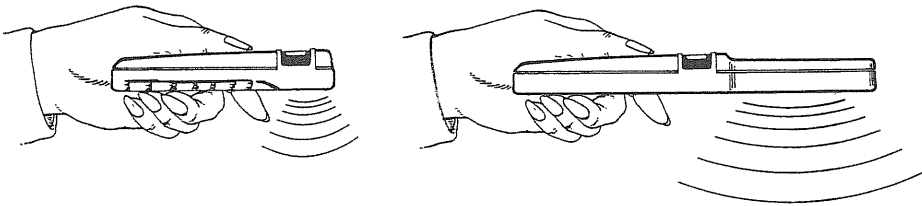
CAUTION: Computer terminals and video screens in
operation, metal collars, leads, chains or tags within 3 meters
(or approximately 10 feet) of the microchip can reduce the read
range of the scanner. If possible, turn these devices off, remove
the metallic objects, or move farther away from the devices or
objects until you are finished reading microchips.

Injection Sites

Subcutaneous, mid-scapula	Subcutaneous, upper half of the left side of the neck, halfway from the ear to the tip of the shoulder.
Australia New Zealand Canada United Kingdom Japan United States	European Continent
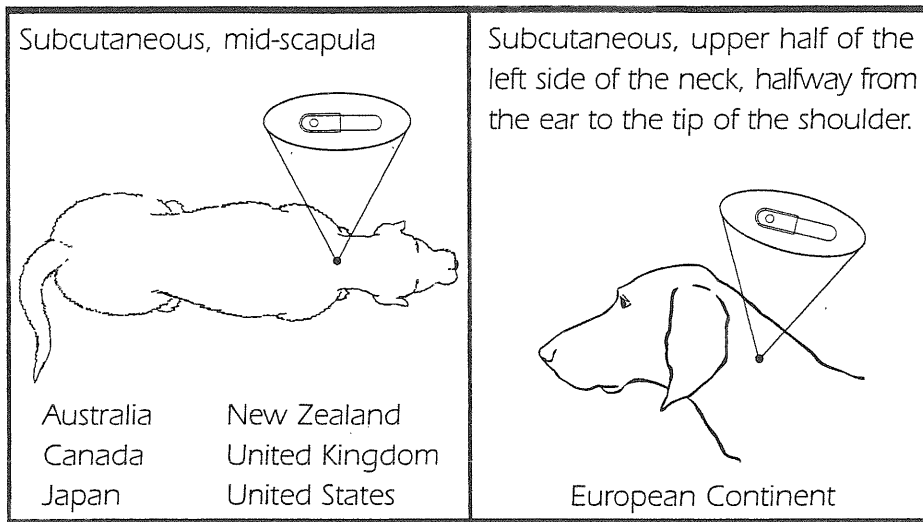
NOTE: The Pocket Reader and Pocket Reader EX can identify the presence of other manufacturers' microchips. However, not all microchips have the patented BioBond® anti-migration cap. Therefore, it is important to increase the normal suggested scan area by scanning the animal down to the elbows and in front of the shoulders as illustrated below:
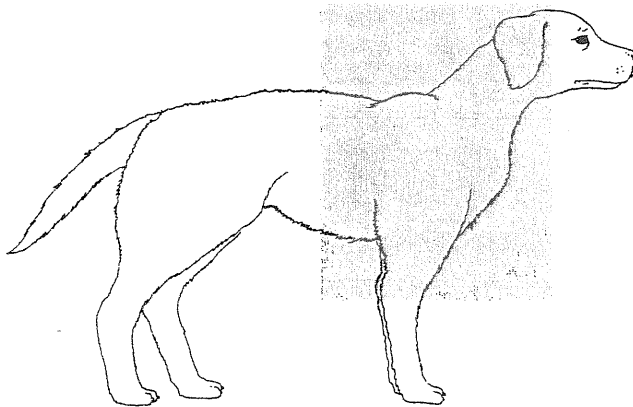
Locating an Implanted Microchip

To locate an implanted microchip, push the scan button and hold until scanner displays WORKING. **While continuing to push the scan button, place the scanner flush with the <u>underside flat touching the animal</u> over the injection site.** Move the scanner slowly, in a circular motion, following the scanning patterns below. (NOTE: Injection site may vary with species of animal, brand of microchip and country where the animal was microchipped. See Injection Sites for locations.) When a microchip is located, you will hear a beep, followed by the code being displayed on the LCD window.

■ If the scanner shows a numeric or alpha code display (numbers and/or letters) on the LCD window during the WORKING phase of the scanning procedure, it is an indication of the presence of a microchip.

Scanning Patterns for implants injected mid-scapula.

SCAN PATTERN #1
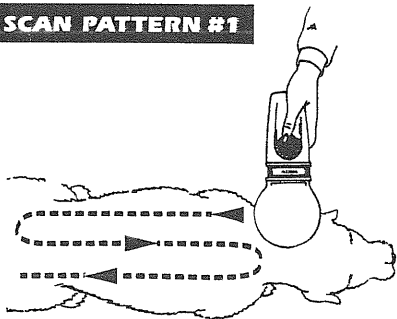
SCAN PATTERN #2

IMPORTANT
Microchip placement may vary per animal.

■ Scan slowly with a small, circular motion

■ Scan both patterns as indicated

■ Keep scanner touching animal

■ Hold down button during entire scan

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Scanning Patterns for implants injected at the left side of neck.
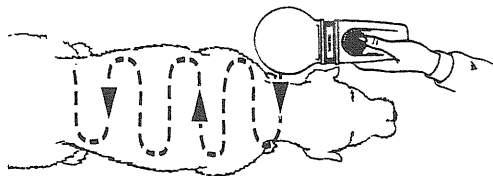
SCAN PATTERN #1

IMPORTANT

Microchip placement may vary per animal.

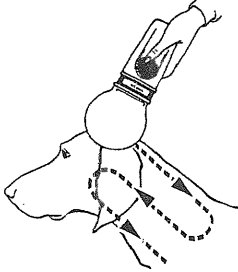- Scan slowly with a small, circular motion
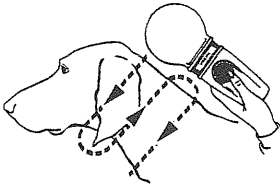
- Scan both patterns as indicated

SCAN PATTERN #2

- Keep scanner touching animal

- Hold down button during entire scan

Turning the Scanner Off

To turn the unit off when NO ID FOUND is displayed, release the button and the scanner will shut off automatically in 5 seconds.

To turn the unit off when a microchip code is displayed, release the button and scanner unit will automatically shut off after 70 seconds of display.

To extend battery life: After a microchip code is displayed, push the button once and release. The scanner will clear the code and display WORKING, followed by NO ID FOUND. The unit will then automatically shut off in 5 seconds.

Field Programmable Port

The scanners have the ability to be programmed to read future generations of microchips by using the programmable port.

Resetting the System: IMPORTANT

Under some unusual circumstances, the scanner may display uncommon characteristics indicated by:

- a straight solid line across the LCD
- a lit, but blank LCD
- the unit not powering off

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Resetting the System: continued

These characteristics can normally be corrected by resetting the scanner. To reset the scanner, temporarily disconnect the batteries or external power supply.

III. SPECIFICATIONS

Physical and Electronic Characteristics

		Pocket Reader™	Pocket Reader EX™
		ISO 134.2 kHz	ISO 134.2 kHz
Case	Size:	170 mm L x 80 mm W x 32 mm H	285 mm L x 80 mm W x 32 mm H
	Weight:	308g 11 oz.	406 g 14.5 oz.
	Color:	RAL 7032	RAL 7032
	Material:	ABS Plastic	ABS Plastic
Operating Temperature:		0° to 50° C 32° to 122° F	0° to 50° C 32° to 122° F
Storage Temperature:		–20° to 65° C –4° to 149° F	–20° to 65° C –4° to 149° F
Humidity:		10 – 90% (non-condensing)	10 – 90% (non-condensing)
Batteries:		4 size AAA 1.5-volt alkaline batteries	4 size AA 1.5-volt alkaline batteries
Display:		16-character LCD	16-character LCD
Output Port:		Serial field programmable port	Serial field programmable port
RS 232 Port:		Compatible	Compatible

■ Avoid storing unit in direct sunlight, excessive moisture or extreme temperatures.

■ The Pocket Reader and Pocket Reader EX scanners are designed specifically for use with companion animals in a veterinary clinic or animal shelter environment.

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Duracell is a registered trademark of Duracell Inc. and Energizer is a registered trademark of the Eveready Battery Co., Inc.