PORTABLE READER

MODEL M250

OPERATOR'S MANUAL

FCC Statement

PORTABLE RFID READER
MODEL M250

RFID SOLUTIONS S.L.
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FCC ID: OOQ-M250
Industry Canada Registration
IC: 10547A-M250

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, including Interference that may cause undesired operation of the device.
Cet appareil est conforme a la partie 15 de la reglementation FCC. Son functionnement est soumis aux conditions suivantes; (1) Cet appareil ne doit pas provoquer d'interferences nuisibles, et (2) Cet appareil doit accepter toutes interferences, y compris celles qui pourraient provoquer un functionnement indesirable

DECLARATION OF CONFORMITY

We, RFID Solutions, hereby declare the Product listed above, to which this DECLARATION OF CONFORMITY relates, adheres to the provisions below and is in conformity with essential requirements and other relevant requirements of R &TTE Directive (1995/5/EC. The product is compliant with the following Standards and other Normative Documents: EMC (art.3.1.b): ETSY 300683 Radio Equipment and Systems (RSE) Radio telephone transmitters and receivers for the Marine Mobile Service operation in the VHF bands used on inland waterways, technical characteristics and methods of measurements. SPECTRUM (art.3.2.b) EN 300 330 Electromagnetic compatibility and Radio Spectrum Matters (ERM), Short Range Devices (SRD); Technical characteristics and test methods for radio equipment in the Frequency range of 9KHz. to 30MHz. VOLTAGE (art.3.1.a) 73/23/EEC, Low Voltage Directive (LVD) PRODUCT DESCRIPTION: Portable RFID Reader PRODUCT NAME/MODEL: Portable RFID Reader-Model 250 INTENDED USE: Radio Frequency Identification Device.

CAUTION!
Any change or modification to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment
ATTENTION!
Tout changement ou modification non expressement approuve par le service de certification pourraient annuler le droit de l'utilisateur a faire fonctionner cet equipement

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YOUR NEW PORTABLE RFID READER

Congratulations on your new RFID Reader. Before using read the entire manual to understand all features and operation

TEST READER

Before scanning to find a microchip it is important to test the reader. Use the provided Test Chip to verify if the RFID Reader is functioning properly.

BATTERY INSTALLATION

Batteries do not come installed in reader

Battery: 2 X 1.5V- Type AAA
Standard Dry Cell alkaline batteries

To install the batteries, first remove the battery door located at the back lower end of the reader by pressing and sliding downwards. Insert the 1.5V batteries into each slot making sure that each battery polarity is in the right orientation by observing that the spring coils in the battery slots are for the negative side of the batteries (flat end of battery) or by observing the direction indicators inside the battery compartment, then replace the battery compartment door by inserting it back to the reader.

OPERATION

GENERAL INFORMATION
The portable reader Model M250 is a compact, battery powered unit that read radio frequency identification microchips or tags. The device allows you to identify the selected microchip type that belongs to a particular company by displaying the information in its 16 X 2 LCD display. Other RFID microchips that may have other different identifier numbers will not activate the reader; therefore the reader will be silent.

PREPARING FOR OPERATION
Remove the Portable Reader from the shipping package and install the two 1.5 volts (AAA) batteries supplied with the reader.
See section for battery installation instructions.

HOW RFID IDENTIFICATION WORKS
The portable Reader generates and electromagnetic field which is used to energized the glass encapsulated microchip programmed with a unique ID number. The electromagnetic field provides the energy needed for the microchip to transmit its ID number back to the Portable Reader. The Portable Reader decodes the information and displays the programmed message in the LCD display. The operating frequency of the Portable Reader is 134.2 KHz.

READING WITH THE PORTABLE READER
When you turn on the Portable Reader by pressing the ON button Located at the front center of the reader, the reader will be in reading Mode: The LCD display will show the message “Reading” followed by a beep sound. In this mode the reader will be active for 10 second and shut off automatically if the microchip into the Medcomp Power Port is not within the range of the reader. If the reader detect a microchip within the 10 seconds period, it will beep constantly displaying the following message “MEDCOMP POWER PORT” but if the microchip Is moved away from the reader and out of its range, the beep sound will stop but LCD display will remain with the same message for the period of 10 seconds after that event.

READING RANGE
The reading range of the Portable Reader is 3 centimeters and the reading procedure should be accomplished by moving the reader in a circular motion around the microchip target.

TROUBLE SHOOTING

Performance can be affected by metal objects and computer equipment. These items can cause a reduce read range for identifying microchips. Operate this unit clear of these devices for optimal performance.

Microchip is not detected.
Verify the Reader with test microchip

Reader does not start
Verify if batteries were installed correctly and are fully charged

Reader turns off quickly
Change batteries

SPECIFICATIONS

Case size	L: 12 cm W: 7.5 cm H: 2.2 cm
Weight	91g
Color	White
Material	ABS plastic
Operating temperature	0° to 50° C
Temperature Storage	-20° to 65°C
Humidity	10% to 90% Non-condensing
Batteries voltage	2 x “AAA” 1.5V
Battery type	Alkaline

WARRANTY

The Portable RFID Reader Model M250 is warranted against defects in material and workmanship, under normal use and service for one (1) year from the day of shipment. This warranty will not apply if adjustment, repair or parts replacement is required because of accident, damage during transportation or causes other than ordinary use. RFID Solutions sole responsibility under this warranty shall be at its option, to either repair or replace any product which fails during the warranty period. In no event shall RFID Solutions be liable for any indirect or consequential damages or loss of profit.