

Instructions for Use

Q-Inside™ Reader

DESCRIPTION:

The Q-Inside™ Reader non-invasively scans and activates an RFID device with a low power, low frequency electromagnetic field. The reader receives a unique 15-digit ID number from the Q Inside Safety Technology microtransponder.

INDICATIONS:

The Q-Inside™ Reader is indicated for use as a portable instrument that non-invasively reads the unique ID code by interrogating an RFID-enabled microtransponder.

CONTRAINDICATIONS:

None.

CAUTIONS:

- Perform display check prior to use.
- Do not expose reader to excess moisture or electrostatic discharge.
- If reader is dropped, perform display check through a power-up cycle and test function by attempting to read the test microtransponder.
- Reader is MRI conditional safe. Do not attempt to use the Q-Inside™ Reader to read a microtransponder while patient is exposed to active MRI equipment.

WARNINGS:



The Q-Inside™ Reader is a Radiofrequency (RF) device. The reader should not be used adjacent to or stacked with other electrical equipment. If adjacent or stacked use is necessary, verify normal operation in the configuration in which the reader will be used.

CLEANING:

Wipe the reader case with an alcohol wipe or a damp cloth. A mild detergent may be used. Do not spray liquid on the surface of the device.

PHYSICAL AND ELECTRONIC CHARACTERISTICS

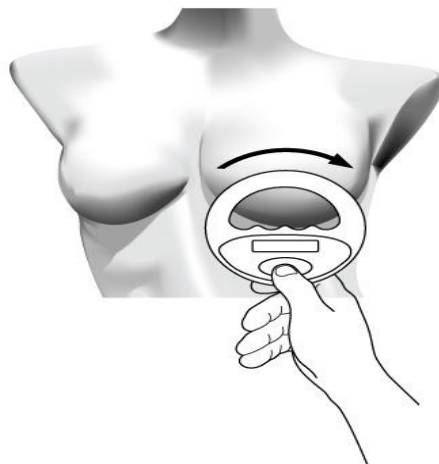
Characteristics	Parameter
Operating frequency	131.58 kHz; Amplitude Shift Keying (ASK)
Read type	FDX-A and FDX-B (FECAVA)
Effective radiated power at 30 meters	10.2 dBuV/m
Dimensions and weight	13.5cm x 3.5cm, 163g
Case material	ABS
Operating temperature	0°C - 50°C
Storage temperature	0°C - 50°C
Battery	Lithium, rechargeable via USB port
Battery Voltage	7.4 Volts DC
Scans per charge	2000
Display	LED
Range	15.2cm, nominal
Warranty	1 year

READER ACTIVATION:

To start the reader, push the button down once and release. Check reader function using the test microtransponder supplied with the Q-Inside™ Reader.

SCANNING A Q INSIDE SAFETY TECHNOLOGY MICROTRANSPONDER

Place the Q-Inside™ Reader next to the skin and perpendicular to the area in order to be read the Microtransponder. Use the pattern as shown below.



When the microtransponder is located, you will hear a beep, followed by a 15-digit numeric sequence shown on the display screen. If no microtransponder is found, try reading again moving slower at different directions and varying the angles of the reader on the area to be read.

Turning the Scanner Off

The Q-Inside™ Reader is equipped with an Automatic Shut Off feature that activates after 2 minutes of non-use.

ELECTROMAGNETIC COMPATIBILITY AND INTERFERENCE (EMC/EMI) INFORMATION

The Q-Inside™ Reader conforms to IEC 60601 EMC/EMI requirements. The reader transmits and receives information at a frequency of 131.58 kHz and power level of 10.2 dBuV/m. Care should be taken since the device could possibly affect and be affected by other Radiofrequency (RF) communications equipment, even if other equipment complies with CISPR emission requirements.