

## THE FS 2001 F-ISO READER



A portable, hand-held or stationary reader for radio frequency identification tags (RFID technology). Features are:

- ISO Compliant
- Capable of reading FDX-A, FDX-B and HDX technologies
- Reads and logs up to 6400 tags in memory
- Water-proof and shock-proof
- Field upgradeable software
- EUA 232 COM port
- Internal battery or AC/DC operation



The FS 2001 F-ISO is a versatile stationary, portable and hand-held device that reads radio frequency identification (RFID) tags that are in conformance with ISO-11784 and ISO-11785 standards for A, B and HD tags. The configuration consists of transceiver electronics, an antenna connected with a cable and a battery charger. It has been specifically designed for tracking livestock, fish, large and small domesticated animals and wild animals and is extremely versatile. It is easily connected to a computer for control, monitoring an installation and logging RFID tag numbers.

As a stationary transceiver system, the unit consists of an electronic receiver unit, tuning box, user definable antennas and a battery charger and/or power supply. Both systems include an RS232 and external DC power cable (if needed).

One of its exclusive features is the ability to be adapted to several types of operations and applications. It can be tailored to the customer's exact needs using the configuration setup menu operated from the front panel keyboard display.

Instead of changing individual option settings when using the reader for a specific type of application, the user can define up to three different sets of "Profiles" for parameter settings and recall a specific set at the time of use. Each of the three profiles includes several options that define the operation of the reader such as store control, use of the COM port, file management etc.

The profiles are stored in backup, battery protected RAM memory to protect the settings during a power outage. Each profile includes the following:

**TAG TYPE** Allows the user to select one, two or three of the technologies desired for the application (A, B, HDX). Reader speed and read range can be increased by specifying only the technologies needed for the user's application.

**ANTENNA POWER** Adjustable from 10% to 100% of the nominal value.

**STORE MODE** (Selections are *OFF*, *ALL* and *SEARCH*). *ALL* selection stores all of the ID's found in the selected *Current* file. This option prevents the multiple storage of the same *Tag ID* in the file. If enabled, the messages on the COM port are sent according to the *SEARCH* setting.

**CONTINUOUS MODE** The selection keeps scanning until a valid *Tag ID* is found, which is the normal operating mode for "hands-free" operation.

**TOGGLE MODE** This function is normally used during hand-held operations. Pushing the *READ BUTTON* momentarily will begin the scanning process until a valid tag is read; then the reader is placed in standby mode until the *READ BUTTON* is pushed again.