



134.2 kHz Review

Feb. 26, 2003



- 134.2 KHz – 4 year old technology
- Columbia research 400kHz to 134.2 kHz conversion in 2000
- 400 + readers in use, 300 in Columbia
- Recent model designed to read 400, 125 & 134.2 kHz



- 134.2 can display code in Decimal or Hex
- 16 digit code with manufacturer and country code
- Internal 6,400 tag code memory storage
- Date and Timer Stamp option
- 134.2 tags available in 12mm, 20mm & 23mm length



- **FS2001F-ISO**

- Weir/Trap/Pipe Antenna
- Snorkel/ Dive Canister
- Submersible Triangle Antenna
- Carry Belt System
- Custom Antenna

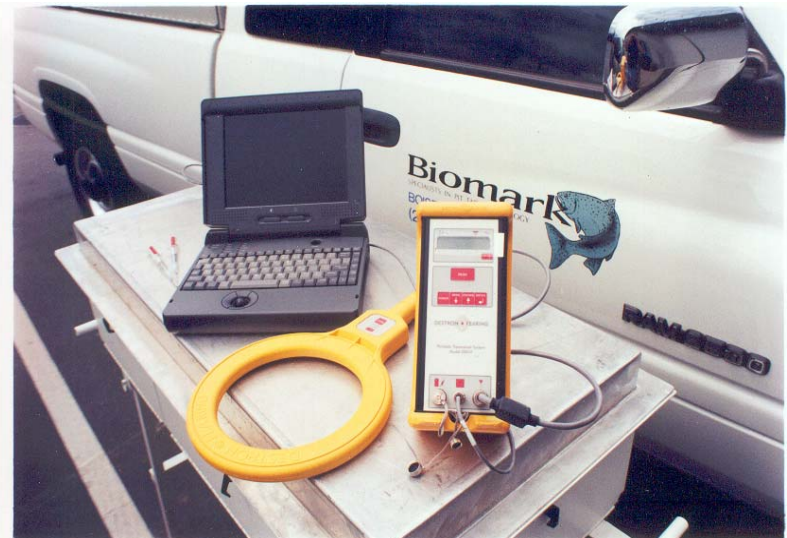
- **New FS2001-DC**

- 12 Volt Remote Install Applications
- 4' x 12' Antenna
- Self-contained Systems
- Backpack System Under development



Portable Reader

- New FS2001F-ISO
 - Increased Antenna Power
 - Larger Antenna Available
 - 400, 125 & 134.2kHz Frequencies
- Custom Antenna Designs
 - Submersible Models
 - Weir, Trap and Pipe Apps.
 - Custom Sizes





FS2001F-ISO

- More Power-More Read Distance-Larger Antenna
- Date & Time Stamp
- External 12 volt Battery Operation for Unattended Operation





Weir, Trap & Pipe Applications

- Multiple Sizes & Shapes
- Sizes up to 30 Inches
- Cable lengths to 30 feet









Pipe Applications

- Remote Solar Power
- Self-contained System
- 20" Diameter capability
- Acclimation Site Monitoring
- Irrigation Bypass Monitoring







Dive/Snorkel Canister

- Shallow dive applications
- 2-meter long Cable
- Designed to read 134.2 tags
- Racket can be mounted to extension pole





Submersible Antenna

- Triangle Design for Best Orientation
- Extends to 17' with Pole Mount
- Designed to read “Super Tag” and other 134.2 Tags





FS2001 Belt System

- View Display While in Use
- Attach Tuning Box and Spare Batteries
- Shoulder Strap







Adult Trough Antenna FS1001

- **Automatically Reads 134.2 Tags w/integral antenna**
- **Length Measurements**
- **Portable DC or AC power**





FS1001 DC Culvert System

- 12 Volt Battery system
- Self-contained electronics
- Reads 23mm and 12mm tags







FS1001-DC Pack System

- Prototype completed and in the field
- Evaluate Battery Life and Tuning Requirements
- Reduce Weight and Maintain Optimized Read Distance

