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134.2 kHz Review

Feb. 26, 2003

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- 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

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- 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

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- **FS2001F-ISO**

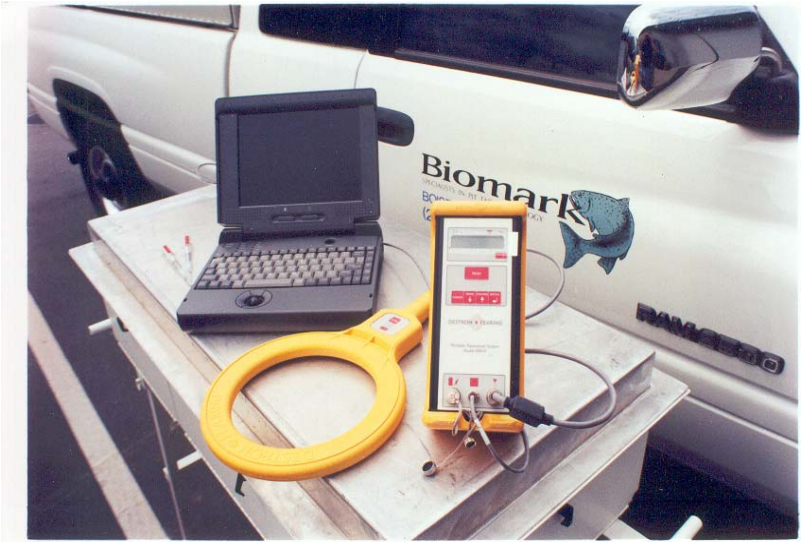
- Weir/Trap/Pipe Antenna
- Snorkel/ Dive Canister
- Submersible Triangle Antenna
- Carry Belt System
- Custom Antenna

- **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



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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

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Pipe Applications

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

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Dive/Snorkel Canister

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

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Submersible Antenna

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

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FS2001 Belt System

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

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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

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FS1001-DC Pack System

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