

# AXIZ SB-1™

## STATIONARY UNIVERSAL RADIO-FREQUENCY IDENTIFICATION (RFID) READER

### DESCRIPTION

The Axiz SB-1™ incorporates features unlike any other RFID reader on the market today.

Designed to work in combination with all Destron Fearing™ antenna configurations, the new Axiz SB-1 is a powerful, high-speed ISO reader that allows feedlots, dairies and sale barns to read livestock quickly, accurately and without the use of physical restraint.

### PRODUCT FEATURES

- ISO-compliant (FDX-B & HDX)
- 16,000+ tag memory
- LCD graphical display
- -22° to 158° F (-30° to 70° C) temperature range
- FCC and IC approval in process
- Programmable self-tuning
- Multiple reader synchronization
- Multiple port communication options
- AC or DC power supply

### ADVANTAGES

- Reads all ISO-compliant FDX-B and HDX tag technologies (11784 / 11785) including microtransponders and custom tag applications.
- State-of-the-art decoding technology allows tag numbers to be read from livestock moving rapidly past antenna systems without physical restraint. Read speed, based on antenna configuration, is up to 39 feet (12 m) per second.
- Rugged construction and increased noise immunity make this reader ideal for “noisy” environments, including livestock processing facilities.
- Internal diagnostics program can validate the system’s performance while in use.
- Simple “plug and use” programming and self-tuning capabilities maximize multiple antenna options and facilitate use in numerous locations/environments and by multiple operators.
- The Axiz SB-1 utilizes multiple data logging options. Scanned tag numbers can be:
  - Transmitted via Bluetooth® wireless technology or via tethered (RS232, RS485 or USB) cable connections to a PDA, Windows®-based PC or scale head.
  - Saved into internal memory and downloaded later to data management programs. Reader can store more than 16,000 tag numbers in memory.
- LCD graphical display provides an easy-to-navigate menu and exhibits tag number, tag counter and status information.
- Synchronization facilitates use of multiple readers in close proximity.
- Reader features a field programmable port for custom applications. An external serial device can be attached for data logging.
- The Axiz SB-1 is designed to resist both dust and water and perform reliably in harsh conditions, including temperature ranges of -22 to 158° F (-30 to 70° C).
- One-year warranty.



## PRODUCT SPECIFICATIONS

CONSTRUCTION	Industrial grade NEMA 4 metal housing
DIMENSIONS	12" L x 8" W x 4" D (30 cm x 20 cm x 9 cm)
WEIGHT	7.5 lbs (3.4 kg)
INTERFACE	USB, RS232, RS485 with optional Bluetooth communication interfaces
APPROVALS	FCC and IC approval in progress
FREQUENCY	ISO 134.2 kHz and 125 kHz
READ RANGE	4 feet (1.2 m) at optimal tag orientation. User environment and antenna configuration may affect read range.
OPERATING TEMPERATURE RANGE	-22° to 158° F (-30° to 70° C)
HUMIDITY RANGE	10% to 90% non-condensing
POWER	100-240 VAC, 47-63 Hz Optional 12 VDC external battery connection

## ACCESSORIES

ITEM	PRODUCT NUMBER	ITEM	PRODUCT NUMBER
Panel Antenna - Small	AN4110	Head Gate Antenna (single; straight)	AN4711
Panel Antenna - Large	AN4250	Custom Antennas	Contact Customer Service
Head Gate Antenna Set (one right; one left)	AN4714R/L		

## WARRANTY

The Axiz SB-1 reader is warranted for one year from the date of purchase against defects in materials and workmanship when used as directed. Use of the reader for functions other than RFID tag scanning may permanently damage the components and void the warranty. See official warranty statements in product manual for full details.

## PACKAGING SPECIFICATIONS

Item	Product Number	Package Dimensions	Package Weight
Axiz SB-1 w/ AC Power Supply	AXIZSB-1-00	18" L x 14" W x 8" D (45.7 cm x 35.6 cm x 20.3 cm)	11 lbs (5 kg)
Axiz SB-1 w/ DC Power Cable	AXIZSB-1-05	18" L x 14" W x 8" D (45.7 cm x 35.6 cm x 20.3 cm)	11 lbs (5 kg)