

## AN 4211

### *Headgate Neck-Extender Antenna*



**PRODUCT NUMBER:** [AN 4211](#)

#### **PRODUCT DESCRIPTION**

Rugged waterproof antenna designed for automated collection of all ISO compliant RFID tags at the chute level. The antenna is designed to mount directly to a chute in close proximity to the animal's head. Maybe adapted for other RFID uses. Will read all ISO compliant RFID tags when used with a Destron FS2001 L-ISO reader. Requires an external tuning box to allow the user to compensate for environmental factors encountered during installation.

**APPLICATIONS:** Cattle-chute headgate.

#### **SPECIFICATIONS**

**Approvals:** FCC part 15 class A when used with an FS2001 reader), IEEE STD C95.1 1999 Edition. Safety levels with respect to human exposure.

**Construction:** Fully potted in industrial grade PVC pipe material. Cleans easily and is immune to most chemicals used during clean up.

**Frequency:** 134.2 kHz

**Read range:** Up to 15 inches at optimal tag orientation 10 inches for ALL tag orientations. User environment may affect read range.

**Temperature Range:** -25C to +50 C

**Dimensions:** 87cm long X 6.5cm diameter (34 x 2.5 inches)

**Installation:** 2 adjustable brackets to be welded directly on a solid metal plate.

**Interface:** NEMA 6P watertight connector with shielded cable to FS2001 external tuning box. Optional armorfast cable is available for severe environments. Antenna may be hardwired by special order. May be used with up to a 30 ft cable

See FS2001 reader specs for communication information.