

Tag unit operational description

The unit is an active tag comprising a transmitter operating at 433.92 MHz and a receiver operating at 127 kHz. The device is powered from 3 VDC internal battery, both LF & HF antennas are completely integrated. No simultaneous operation of 127 kHz or 433.92 MHz is possible.

When the Sensomatic unit (milk meter) starts the milking process it sends a signal (wired signal) to the activator. The activator will send an LF RF signal to the active tag. The tag identifies the post ID from the Sensomatic. The active tag will transmit the post ID at 433.92 MHz and 19200 bps rate, transferring the information (post ID and the tag ID) to the Receiver of the milking automation system.

Cow Tag antenna data

Description

Cow Tag Antenna is a loop antenna on the PCB.

General Measure

Size : 10mm X 10mm

Number of wrapping: 1

Trac size: 0.3mm

Trac thickness: 1 oz copper

Electrical Specifications

Center Frequency: 433.92 MHz

Gain : -10 dB