



# Antenna

Product Code: L-AN100

## Description: Whip Antenna for 433 MHz

The L-AN100 433 MHz Wavetrend whip antenna has been designed for optimal RF receiving performance with the Wavetrend reader range. This antenna attaches to the reader via a BNC(M) connector.

This antenna has an omni-directional reception pattern around the vertical axis with null points being at the extreme ends of the stub.

The antenna is housed in a rugged waterproof rubber mould that is UV resistant and can be used outdoors.



## Specifications

### Mechanical Specifications

Size	174 mm x 15 mm tapered to 6 mm diameter
Finish	UV resistant black rubber coating
Mass	≤ 25 gram
Temperature Range	- 40 °C to + 70 °C
Environmental Specification	Conforms to ETS 300 019

### Electrical Specifications

Antenna type	Quarter wave Whip
Frequency band	400 MHz to 450 MHz
Gain at connector	-3 dBi (With reference to a 1/8 wave ground plane)
VSWR	< 1.5 : 1
Impedance	50 Ohms
Maximum power	100 W
Connector	BNC(M)

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