

# GS-2/3/4



Instrument Landing System

Null Reference System

Capture Effect System

## GLIDE SLOPE ANTENNA ARRAYS

### Applications

Glide Slope Antennas are used to provide vertical guidance to aircraft during approach and landing of an aircraft under instrument flight rules.

### Features

The Glides Slope Antennas are designed to withstand 100 mph wind, 1/2-inch radial ice, temperature range of -50°C to 70°C, and 100% humidity. All elements are equipped with de-icing heaters and thermostats.

### Characteristics

Glide Slope Antennas operate on a frequency of 328 to 336 MHz on a nominal impedance of 50 Ohms and power up to 50 watts. A null reference glide slope antenna system is fed by two transmitters, one on the carrier frequency and the other on sideband frequency. A capture effect glide slope antenna is fed by an additional clearance transmitter. (Refer to FAA Handbook 6750.6 for more information on null reference and capture effect systems.) A null reference glide slope antenna system consists of two antenna arrays, an external RF network, and a 40-foot tower equipped with safety climbing rail and obstruction marking and lighting. A capture effect system is a null reference system plus an additional antenna array, 20 feet of tower and a clearance cancellation bridge.

## SPECIFICATIONS

### All Models

Frequency	328-336 MHz
Impedance	50 Ohms Unbalanced
VSWR	1.5:1
Connectors	Type "N"



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## GLIDE SLOPE ANTENNA ARRAYS

Part Number	Description
1500-0149-201	Null Reference Glide Slope Antenna System
1500-0149-202	Capture Effect Glide Slope Antenna System
1000-0579-201/202/203	Glide Slope Antenna
1000-0578-203	Mounting Frame
1000-0580-401	Integral Monitor Network, Null Reference (FA 8977)
1000-0580-402	Integral Monitor Network, Capture Effect (FA 8978)
1000-0563-201	40' Tower Kit
1000-0563-202	60' Tower Kit

## SPECIFICATIONS

	Heaters	Thermostats	Full Dipole Cover	Snow Cover
GS-2	✓	✓		✓
GS-3	✓	✓	✓	
GS-4			✓	



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