

GPS Antenna Active / Passive

For use with M210 and M211 Modular Timing Systems. The antenna picks up time information derived from the Global Positioning System (GPS) and sends it to a corresponding GPS receiver in the Timing System. Choose between the Passive GPS Antenna, or the Active GPS High Performance Antenna for areas of poor radio reception.



Passive GPS Antenna



Active GPS High Performance Antenna

Passive GPS Antenna

The Passive GPS Antenna is ideal for use in safety-critical applications as no power is sent to the antenna, e.g. military, oil & gas refineries and similar applications.

The Passive GPS Antenna is supplied with a mounting clamp, which allows the antenna to be easily incorporated onto the appropriate attachment.

Please note that the Passive GPS Antenna is not supplied with cable.

Active GPS High Performance Antenna

The Active GPS High Performance Antenna has much improved signal reception over the Passive GPS Antenna.

It is housed in a package designed to withstand exposure to shock, excessive vibration, and extreme temperatures, rain, snow and sunlight. The antenna is weatherproof and waterproof.

The Active GPS High Performance Antenna includes an active 35dB preamplifier and has dual band pass filters. The band pass filters improve immunity to other RF signals for reliable performance in hostile RF environments.

The antenna is supplied as standard with 15 metres of Coax cable. Alternative cable lengths can be supplied on request.

GPS Antenna Specifications

Antenna Connections

GPS Signal output from Antenna: 50Ω BNC type socket.

Typical Performance

Antenna Type	Gain	Noise	Pass-band Width
Passive GPS	0 dB	-	1575 ± 10 MHz
Active GPS High Performance	35 dB ± 3 dB.	3.3 dB maximum (25°C ± 5°C)	50 Hz at 1575 MHz

Environmental (Active & Passive GPS Antennas)

Antenna Type	Operating Temp.	Storage Temp.	Humidity	EMC	Corrosion	Vibration
Passive GPS	-40°C to +85°C	-40°C to +85°C	100% RH	CE Compliant	-	-
Active GPS High Performance	-40°C to +85°C	-40°C to +100°C	100% RH	CE Compliant	5% Salt Spray	10-200 Hz log sweep 3g (sweep time 30 mins)3 axes

Ordering Information

Please quote relevant part number when ordering.

Antenna Type	Part No.
Passive GPS	0210AF000D
Active GPS High Performance	0203BA000D