MoTeC Beacon Transmitter and Receiver

RaceGrade GPS

Transmitters and receivers offer 1,000 different codes, to avoid conflicts with competitors' beacons.

To change channels on the transmitter, simply open the cover by removing the screws and adjust the dip switch inside to the desired channel. The BR-2 can be configured using the Dash Manager software and the Beacon Configuration Utility which comes with Dash Manager.

Hemisphere GPS

This GPS device is based on a GPS engine from Hemisphere GPS. It provides a true non-interpolated 10 Hz or 20 Hz output enclosed in a motorsport aluminum case. Serial output conforms to NMEA standard RS-232 protocol at 57600 baud rate. There is also a speed output pulse for applications that don't accept serial data. This item is replacing the Real Time Clock with GPS addon.

1,000-channel IR beacon transmitter
Includes cable, angle bracket
for 1/4² camera mount.
Transmitter sets up on the track.
M ADL BTX

Specifications

12-channel GPS engine.

Horizontal accuracy < 1 meter at 95%

57600 baud serial, other rates available upon request

NMEA standard $GPGGA and $GPRMC data

Digital output pulse   0-5v 50% duty cycle

M GPS BL

Upgrade to 20 Hz
Additional $

Power Requirements

Supply Voltage	6 to 18 VDC
Current Consumption	380 mA at 12v

Environmental

Temperature Range	-30° to 70° C
Dimensions	3.95 in x 2.7 in x 0.9 in
	100 mm x 69 mm x 23 mm
Weight:	157 grams w/o angtenna

Beacon Reciever 2 - Autosport microterm connector
CAN capable with increased accuracy
M ADL BRX-2

Garmin GPS

Specifications

Update rate	5Hz
Satellite Channels	12
Reacquisition Time	< 2 sec

Power Requirements

Supply Voltage	4.0 to 5.5 VDC
Current Consumption	100 mA at 5.0v

Environmental

M GPS-G5

Temperature Range	-30° to 80° C
Dimensions	2.4 in diam x .77 in
	61 mm diam x 19.5 mm
Weight	165 grams