

PRODUCT DATASHEET

SkyBitz GLS 210



GLS 210

GLS 210 Specifications

The SkyBitz GLS 210's integrated design includes a software-based radio, antennas and a "AA" lithium battery pack in one small rugged package. The GLS 210 is the only satellite based device on the market that enables information and tracking services without using an embedded GPS chipset. This means you get all the benefits of GPS navigation without the high battery consumption and imposing up-front hardware costs.

A combination of SkyBitz's proprietary and patented Global Locating System (GLS) and the sophisticated radio design results in a low maintenance GLS 210 with battery life that last for years beyond GPS-based tracking products. The design also accommodates a suite of sensors – and transmits and receives coded and alphanumeric messages.

The self-contained GLS 210 is attached to the trailer roof using a mounting bracket, which eliminates the need to cut a hole in the trailer roof or nose wall. For total asset visibility and control, the GLS 210 can be controlled and monitored through the SkyBitz Customer InSight Web application giving you the tools necessary to drive operational efficiency.

The GLS 210 complies with the UL 913 standard for Intrinsically Safe Apparatus and Associated Apparatus as certified by an NRTL. That's the highest qualification needed to track shipments that have ignitable concentrations of flammable gases, vapors or liquids over road, rail or barge.

Frequency of Operation	L Band transmit and receive
Transmit EIRP	1 Watt
Dimensions	9 5/8" x 7" x 1" (244.48 mm x 177.8 mm x 25.4mm)
Power	Batteries: Internal: "AA" lithium primary batteries; External: Regulated 6 volt vehicle power with Automatic sensing and switching of external power
Weight (w/batteries)	3 lb
Operating Temperature	-40° C to 70° C
Storage Temperature	-55° C to 85° C
Vibration	MIL-STD-810F, Method 514.5, Figure 514.5C-1, US Highway Truck Vibration Exposure
Shock	MIL-STD-810F, Method 516.5, Procedure I
Salt Fog	MIL-STD 810F, Method 509.4, for a total of 14 days.
Humidity	100% Condensing
Water Immersion	1 Meter, 30 Minutes
Interface	15 Pin Connector; 2 open/closed switch connections 2 open/closed control lines, RS-485 Interface
Mounting	Stainless Steel Mounting Bracket Bonded to Trailer Roof with 3M VHB Tape, including Stainless Steel safety tether.
Compliance	UL60950-1/CSA C22.2 No. 60950-1; UL913, Intrinsically Safe Apparatus and Associated; Apparatus for Use in Class I, Class II, and III, Division 1, Hazardous (Classified) Locations; CSA C22.2 No. 157: Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations, FCC Part 25, Industry Canada RSS-170

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