

GLE/HBR-105-S-V2

Portable Radio Telemetry Relay Unit

Main Features

- Single or multiband Tx / Rx coverage
- LL, UL, S, and C band support
- Tx power up to 25 watt
- Data rate up to 46 Mbps
- Base band Data+Clock, Video & ACU signals I/O
- Supports PCM/FM, SOQPSK, Multi-h CPM modulations
- Setup and control via RS232 and local k-pad / display
- MS Windows software setup GUI
- Compact, robust and lightweight construction
- Protection grade - IP67
- Wide operating temperature range
- Extended AC/DC voltage supply range
- Opto-isolated contact remote control



Applications

- Mobile telemetry relay unit
- Pre-flight / low altitude flight vehicle testing
- Pre-launch telemetry relay from canister
- Loopback testing of telemetry equipment
- Telemetry relay from segregate locations (*hangars, buildings ...*)

Overview

GLE/HBR-105-S-V2 is a robust and compact unit mainly designed for Radio Telemetry Relay applications where a maximum efficiency and reliability is required.

It is housed in a watertight, crushproof, and dustproof case with convenient handle for transportation.

At the heart of the unit are state of the art digital RF receiver and transmitter, available to cover

almost all the telemetry bands, modulations and supporting very high bitrates with a wide choice of operating modes and options. In addition, thanks to the availability of the required interfaces, below the top cover of the unit, operation as standalone receiver and transmitter is possible for bench test applications and mobile telemetry applications. The setup of the unit is very simple thanks to an

integrated keypad / display available below the top cover. Here predefined configurations can be selected and modified. For advanced setup a convenient MS Windows software GUI and RS232 interface are provided, for the connection to a PC, allowing also to load and backup complete mission presets.

Due to continuous developments, specifications are subject to change without prior notice. This product is not intended for applications whose its failure to perform can be expected to cause damages to properties and/or persons and/or injury to human life.

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