



GLI-Metro – The „smart“ GPS Amplifier

Description:

The **GLI Metro** is an automatically controlled GNSS amplifier. Derived from high performance military system applications with a simple user interface, this amplifier is perfect for public and commercial sector.

Using the GLI Metro offers many advantages over general GNSS amplifier. The device can be controlled by hand or via serial interface (optional via Bluetooth) to set the absolute signal power ERP between -65 and -85 dBm, to ensure a stable absolute signal output.

Variations on the input will be compensated automatically.

An integrated GPS receiver analyzes the signal input for a valid GPS signal. The status of the GPS signal validity can be seen on the display.

The GLI Metro uses an error detection system to indicate various fault situations. These faults can be read on the display or via the serial / Bluetooth interface. Some of the detected faults are: Open circuit / short circuit on input/output, no valid GPS signal, less than four satellites, oscillation (automatically reduces the output level to prevent oscillation).

This GNSS amplifier complies with the strict CE & RTTE directives ETSI EN 302645.



GLI Metro

Features:

- For GPS L1, optional L2, L5, Glonass
- Controlled output level
- Fault Detection Automatic
- Quick Check for valid GPS Signal
- High Frequency Selectivity
- CE & RTTE ETSI EN 302645 compliant

Options:

- Power Supply for AC & DC
- Filter L1 / L2 / L5 / Glonass
- Antenna Monitor / Alarm
- Control via Bluetooth
- PC Software for Control
- Network Compatible (in 2015)

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RF CONNECTIONS

- > Input 1
- > Output 1

INTERFACE

- > RS232 Sub-D female 9 Pins

ELECTRICAL SPECIFICATIONS

- > Input/Output Impedance 50 Ω
- > Frequency 1575.42 MHz
- > Bandwidth L1 1574.42 \pm 15 MHz
- > Gain (typ.) 0 – 55 dB
- > SWR Input / Output 2 : 1 typ.
- > Noise Figure < 3 dB
- > Gain Flatness < 3 dB
- > AC Input 230V AC Euro
230V AC UK
- > DC Input 10V DC min.
- > Output Voltage on IN 6.8V DC
- > Current Consumption 0.6A max.

PHYSICAL SPECIFICATIONS

- > Operating Temperature -40 bis 85°C
- > Dimensions (W x H x D) 159 x 80 x 49 mm
- > Weight ca. 500 gramms

OPTIONS

- > Antenna Monitor / Alarm
- > Filter L1, L2, L5, Glonass
- > RF Connectors on Input / Output N female / male
TNC female / male
- > Mounting 3D Panavise Mount for wall / ceiling

ORDER INFORMATION

Please contact AuCon GmbH for informations about price or delivery time. CoC and test data on demand. MIL compliant available as model type ECHO II.

