GLI-METRO RK

The "Smart" GPS Repeater System

KEY FEATURES

- » Precise control over output signal level
- » Passes L1 (L1/L2 optional)
- » High frequency selectivity
- » Antenna monitor with alarm
- » Perfect for any GPS retransmission application

AVAILABLE OPTIONS

- » Power Supply AC & DC
- » Filter L1/L2
- » Bluetooth

REPEATER NOTICE: Due to current regulatory considerations, GPS Repeater kits are only available for sale to: International Customers (outside the U.S.), agencies of the US Federal Government, parties operating under the direction of the US Federal Government, or parties that have received an STA or Experimental License under part 5 of the FCC rules, or parties that will be operating GPS Repeaters in a shielded room.

INTRODUCTION

GPS Source's GLI-METRO marks the integration of the latest GPS retransmission technology into a self-contained unit. The GLI-METRO RK is a complete GPS retransmission system that includes: GLI-METRO (GPS Retransmission LRU), active antenna, passive antenna, swivel mount, pole mount, surge supressor and cabling. A smart repeater system, with a simple user interface, it is perfect for the commercial and public sector. Derived from high performance systems for military applications, the GLI-METRO retransmission device features L1 GPS Signals (optional L2 for approved applications), an antenna monitor, and oscillation detection/mitigation.

PRECISE CONTROL

With the GLI-METRO retransmission system, the user has control over effective radiated power (ERP) levels. This is regardless of the uncertain loss or gain in the receive antenna cable network. It is smart enough to automatically condition the signal and prevent changes in performance. With an optional Bluetooth wireless interface also available, it may be configured remotely.

OSCILLATION DETECTION & AUTOMATIC MITIGATION

The GLI-METRO GPS retransmission system prevents system oscillation that can occur as a result of impropert installation or operation. If the GLI-METRO detects oscillation, it will independently reduce the system gain. Even if the GLI-METRO is improperly installed or operated incorrectly, it will still prevent system oscillation.

BUILT-IN TROUBLESHOOTING

The GLI-METRO will identify and isolate the following:

- Oscillation condition
- High gain
- Low gain
- Short/Open circuit
- Internal component failure
- Less than four satellites
- No satellites with adequate signal

(call for complete list of conditions)

SYSTEM INCLUDES:

- » GLI-METRO
- » Passive Antenna
- » Active Antenna
- » Swivel & Pole Mount
- » COPRO Surge Protector
- » 3 ft (.9m) C240 coaxial cable
- » 100 ft (30.48m) C240 coaxial cable
  (Other cable configurations are available).

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Specifications

GLI-METRO RK Specifications

OUTPUT PORTS

» Number of ports	2

ELECTRICAL SPECIFICATIONS

» Input/Output impedance	50Ω
» SWR all ports (typical)	
Input:	2:1
Output:	2:1
» Bandwidth	
L1	1574.42±15 MHz
» Gain (typical)	0-55dB
» Gain flatness	<3 dB
» Noise figure	<3 dB
» AC input level	110 VAC 230VAC UK 230VAC European
» DC input level	10VDC min.
» Active Antenna Output Power Supply	Output 6.8V

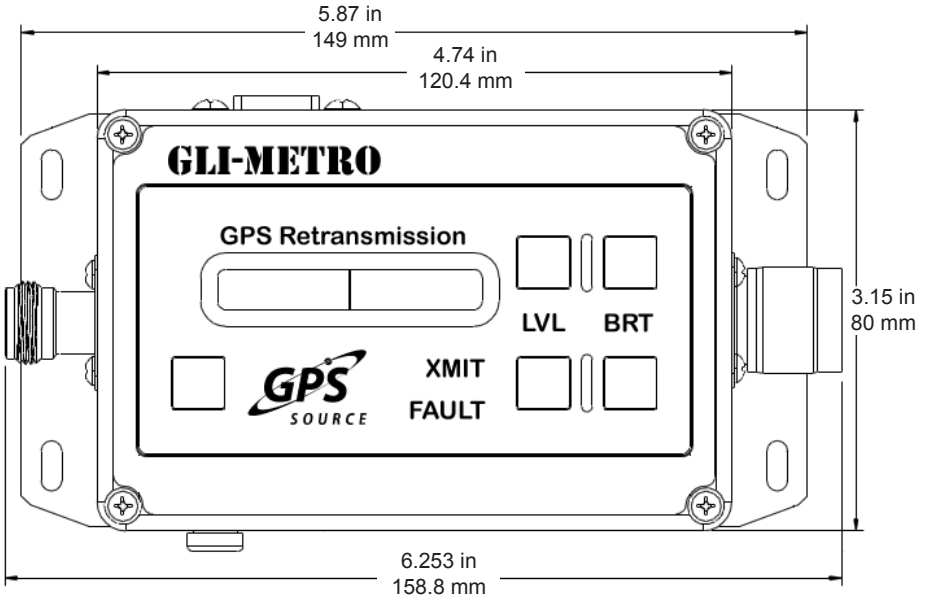
PHYSICAL SPECIFICATIONS

» RF connectors
- N (m, f)
- SMA (m, f)
- TNC (m, f)
- SMB (f)
- SMC (f)
- BNC ((m, f)

» Weight 1.1 lbs (499 g)

» Size: 5.87” x 3.15” x 1.9”
(149.1mm x 80mm x 48.3mm)

» Operating temperature -40 to +85ºC



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