



GLI-METROe RK

The "Smart" GPS Amplifier System

KEY FEATURES

- » Precise control over output signal level
- » Passes L1 (L1/L2 optional)
- » High Frequency Selectivity
- » Power Always ON or Power ON/OFF
- » Perfect for any GPS indoor application

AVAILABLE OPTIONS

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

INTRODUCTION

The only smart amplifier that complies with the essential requirements needed for CE and Notified Body approval. GPS Source's GLI-METROe marks the integration of the latest GPS amplifier technology into a self-contained unit. The GLI-METROe RK is a complete GPS amplifier system that includes: GLI-METROe, active antenna, passive antenna, swivel mount, pole mount, surge suppressor and cabling. A smart amplifier 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-METROe smart amplifier device features L1 GPS Signals (optional L2 for approved applications) with signal lock set to -85dBm, and oscillation detection/mitigation.

AUTOMATIC SIGNAL LEVEL CONTROL

The GLI-METROe smart amplifier system employs an automatic control to maintain the set output signal level. 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 this feature, the ERP stays locked at -85dBm.

OSCILLATION DETECTION & AUTOMATIC MITIGATION

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

BUILT-IN TROUBLESHOOTING

The GLI-METROe 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:

1. GLI-METROe
2. Passive Antenna
3. Active Antenna
4. Swivel Mount
5. Pole Mount
6. COPRO Surge Protector
7. 15 ft (4.6m) C240 coaxial cable
8. 100 ft (30.48m) C240 coaxial cable





Specifications

GLI-METROe RK Specifications

OUTPUT PORTS

- » Number of ports 1

ELECTRICAL SPECIFICATIONS

- » Input/Output impedance 50Ω
- » SWR all ports (typical)
 - Input: 2:1
 - Output: 2:1
- » Bandwidth
 - L1 1575.42±15 MHz
- » Gain (typical) 0-55dB
- » Gain flatness <3 dB
- » Noise figure <3 dB
- » AC input level
 - 230VAC UK
 - 230VAC European
- » DC input level 12 - 28 VDC
- » Active Antenna Output
 - Power Supply Output 6.8V

PHYSICAL SPECIFICATIONS

- » RF connectors
 - N (m, f)
- » RS232 Serial Connector DB9(F) DCE
- » 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 +85°C
- » Swivel Mount

