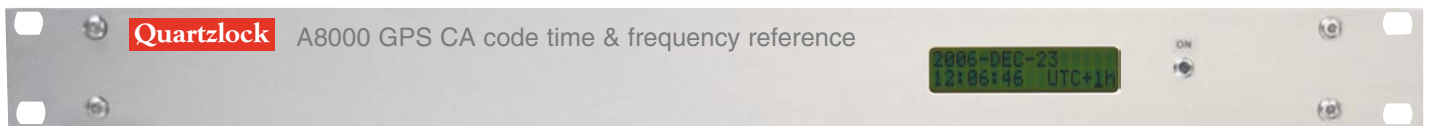


GPS Timing & Frequency Standard



Description

The Quartzlock A8000 represents a breakthrough in low cost traceable, calibration free “off air” frequency & time standards at very low cost while maintaining the high frequency & time accuracy required for demanding applications.

Features

- Low Phase Noise
- No Drift
- High Stability
- 2 Year Warranty

Benefits

- No Calibration Required
- Traceable Reference
- Accurate & stable to Internationally recognised measurement institutions

Applications:

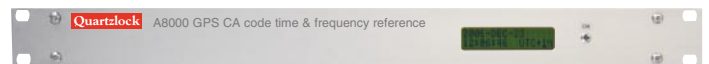
- Test Solution Frequency & Timing Reference
- Calibration
- Reference for RF-Microwave instrumentation
- Production Test Frequency Standard
- Network Time Protocol use in Financial, Utilities, Security & Communications Timing

GPS Time & Frequency Standard

The Quartzlock A8000 represents a break through in low cost traceable, calibration free “off air” frequency & time standards at very low cost while maintaining the high frequency & time accuracy required for demanding applications.

Output A	10MHz sine 0.6V rms +6dBm into 50 Ohms
Output B	10MHz CMOS 3.5V-5V
Accuracy	$\times 10^{-13}$ Long term
Phase Noise (SSB)	-130 dBc (10Hz) -140 dBc (100Hz) -150 dBc (1KHz)
Short term stability	$2 \times 10^{-12}/1s$ $3 \times 10^{-12}/10s$ $3 \times 10^{-12}/100s$
1PPS Output	less than 10ns 1sigma to UTC
Harmonics	-55 dBc
Status Monitor	On / Lock
Operating Temp. Range	-20°C to +50°C
Storage Temperature	-40° to 70°C
MTBF	300,000 hours
RF Connectors	4 x BNC
Antenna & Cable	Provided
RS232 (9 pin D)	SCPI-99 Quartzlock Protocol
Power	90Vac....240Vac
Size	19” x 1.75” (44mm) Rack Mount
Weight	< 1Kg
Warranty	1 year

- Traceable Reference
- No Calibration Required
- To Calibrate: Counters, Frequency Meters, Synthesisers, Communication Analysers, Spectrum & Network Analysers



Applications:

- Test Solution
Frequency & Timing Reference
- Calibration
- Reference for RF-Microwave instrumentation
- Production Test Frequency Standard
- NTP Financial, Utilities, Security & Communications Timing & Synchronisation Applications

Options: Contact Quartzlock for details of multiple outputs, alternative output frequencies, redundant switch & battery backup input.

Provisional. © Quartzlock 2007
Quartzlock is a registered trade mark.

Contact us:

Telephone: +44(0)1803 862062

Fax: +44(0)1803 867962

e-mail: sales@quartzlock.com

Web: quartzlock.com